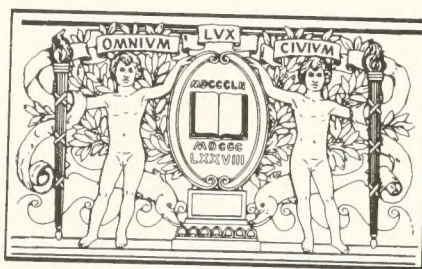


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JUNG / BRANNEN ASSOCIATES INC. ARCHITECTS
177 MILK STREET, BOSTON, MASSACHUSETTS 02109 • 617-482-2299

YU SING JUNG AIA
ROBERT BRANNEN AIA
RAY C. BUMP, JR. AIA
ROBERT Y. C. HSIUNG AIA
AUSTIN RASCO
RICHARD STOPFEL
MART OJAMAA
E. CRAWLEY COOPER
SANDRA P. SMITH
NORMAN G. ADAMS
D. MICHAEL HICKS
JORGE MAEZONO
NORMAN F. KINZIE
WILLIAM C. LAMB

ELIZABETH S. REDMOND

September 7, 1979

Mr. Donald M. Graham, Manager
Program Development
Mass. Bay Transportation Authority
50 High Street
Boston, Mass. 02110

Subject: A/E Services for South Station Transportation Center - Bus Terminal

Dear Mr. Graham:

We are responding to your Solicitation for Design Services of
August 7, 1979.

We enclose herewith current 254 and 255 forms for the following
team:

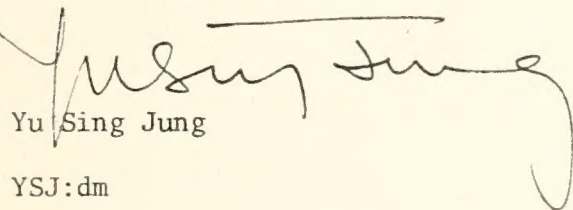
Jung/Brannen Associates, Inc.	-Architect
Zaldastani Associates, Inc.	-Structural Consultant
Tsiang Engineering Inc.	-Structural
Lev Zetlin Associates, Inc.	-Mechanical
Boston Survey Consultants	-Geotechnical
Norman A. Abend	-Traffic and Transportation

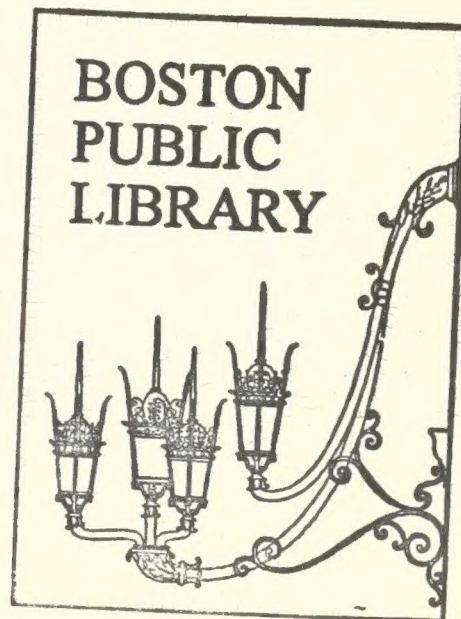
Jung/Brannen is a 43% owned minority firm. Currently we employ
22% female staff; 13% professional and 09% clerical. We attach
EEO form 251 for your review.

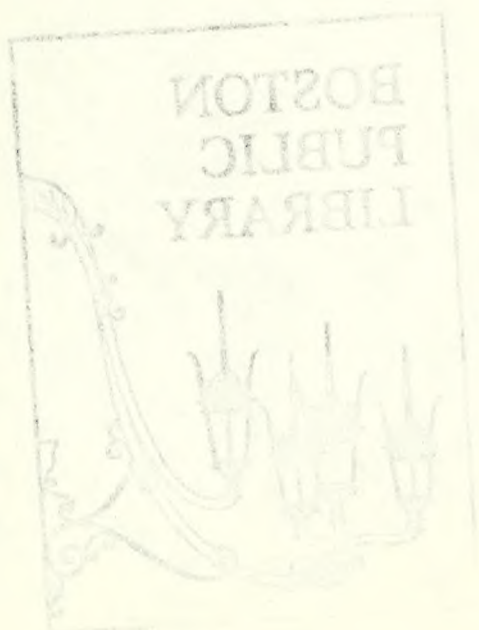
We would be glad to answer any further inquiries and thank you
for your consideration.

Very truly yours,

JUNG/BRANNEN ASSOCIATES, INC.


Yu Sing Jung
YSJ:dm





1891

25TA100224

1. 32120

DATE RECEIVED

CONFIDENTIAL

INDEX

A/E 254 FORM:

1

JUNG/BRANNEN ASSOCIATES, INC.

LEV ZETLIN ASSOCIATES, INC.

ZALDASTANI ASSOCIATES, INC.

TSIANG ENGINEERING, INC.

BOSTON SURVEY CONSULTANTS INC.

NORMAN A. ABEND

A/E 255 FORM:

2

JUNG/BRANNEN ASSOCIATES, INC.

ZALDASTANI ASSOCIATES, INC.

TSIANG ENGINEERING, INC.

LEV ZETLIN ASSOCIATES, INC.

BOSTON SURVEY CONSULTANTS, INC.

1. Firm Name / Business Address:

Jung/Brannen Associates, Inc., Architects
177 Milk Street
Boston, Ma. 02109

1a. Submittal is for ☒ Parent Company ☐ Branch Office

2. Year Present Firm
Established:

1968

Date Prepared:

07/01/79

4. Type of Ownership:

4a. Minority Owned ☒ yes ☐ no
4b. Small Business ☒ yes ☐ no

5. Name of Parent Company, if any:

5a. Former Firm Name(s), if any, and Year(s) Established:

6. Names of not more than Two Principals to Contact: Title / Telephone

- 1) Mr. Robert Brannen, Treasurer 1-617-482-2299
2) Yu Sing Jung, President 1-617-482-2299

7. Present Offices: City / State / Telephone / No. Personnel Each Office

Boston, Massachusetts 617-482-2299

7a. Total Personnel 61

8 Personnel by Discipline:

19 Administrative
Architects
Chemical Engineers
Civil Engineers
Construction Inspectors
Draftsmen
Ecologists
Economists

Electrical Engineers
Estimators
Geologists
Hydrologists
2 Interior Designers
Landscape Architects
Mechanical Engineers
Mining Engineers

1 Oceanographers
Planners: Urban/Regional
Sanitary Engineers
Soils Engineers
1 Specification Writers
Structural Engineers
Surveyors
Transportation Engineers

9. Summary of Professional Services Fees

Received: (insert index number)

Last 5 Years (most recent year first)

19	78	19	77	19	76	19	75	19	74
0	0	0	0	0	0	0	0	0	0
5	5	4	4	4	4	4	4	4	4
0	0	2	2	0	0	0	0	0	0

Direct Federal contract work, including overseas

All other domestic work

All other foreign work*

*Firms interested in foreign work, but without such experience, check here: ☐.

Ranges of Professional Services Fees

INDEX

- | | |
|---|-----------------------------|
| 1 | Less than \$100,000 |
| 2 | \$100,000 to \$250,000 |
| 3 | \$250,000 to \$500,000 |
| 4 | \$500,000 to \$1 million |
| 5 | \$1 million to \$2 million |
| 6 | \$2 million to \$5 million |
| 7 | \$5 million to \$10 million |
| 8 | \$10 million or greater |

Experience Profile Code Numbers for use with questions 10 and 11

- 001 Acoustics; Noise Abatement
- 002 Aerial Photogrammetry
- 003 Agricultural Development; Grain Storage; Farm Mechanization
- 004 Air Pollution Control
- 005 Airports; Navajids; Airport Lighting; Aircraft Fueling
- 006 Airports; Terminals & Hangars; Freight Handling
- 007 Arctic Facilities
- 008 Auditoriums & Theatres
- 009 Automation; Controls; Instrumentation
- 010 Barracks; Dormitories
- 011 Bridges
- 012 Cemeteries (*Planning & Relocation*)
- 013 Chemical Processing & Storage
- 014 Churches; Chapels
- 015 Codes; Standards; Ordinances
- 016 Cold Storage; Refrigeration; Fast Freeze
- 017 Commercial Buildings (*low rise*); Shopping Centers
- 018 Communications Systems; TV; Microwave
- 019 Computer Facilities; Computer Service
- 020 Conservation and Resource Management
- 021 Construction Management
- 022 Corrosion Control; Cathodic Protection; Electrolysis
- 023 Cost Estimating
- 024 Dams (*Concrete; Arch*)
- 025 Dams (*Earth; Rock*); Dikes; Levees
- 026 Desalinization (*Process & Facilities*)
- 027 Dining Halls; Clubs; Restaurants
- 028 Ecological & Archeological Investigations
- 029 Educational Facilities; Classrooms
- 030 Electronics
- 031 Elevators; Escalators; People-Movers
- 032 Energy Conservation; New Energy Sources
- 033 Environmental Impact Studies, Assessments or Statements
- 034 Fallout Shelters; Blast-Resistant Design
- 035 Field Houses; Gyms; Stadiums
- 036 Fire Protection
- 037 Fisheries; Fish Ladders
- 038 Forestry & Forest Products
- 039 Garages; Vehicle Maintenance Facilities; Park Decks
- 040 Gas, *Items (Propane, Natural, Etc.)*

- 041 Graphic Design
- 042 Harbors; Jetties; Piers; Ship Terminal Facilities
- 043 Heating; Ventilating; Air Conditioning
- 044 Health Systems Planning
- 045 Highrise; Air-Rights-Type Buildings
- 046 Highways; Streets; Airfield Paving; Parking Lots
- 047 Historical Preservation
- 048 Hospitals & Medical Facilities
- 049 Hotels; Motels
- 050 Housing (*Residential, Multi-Family; Apartments; Condominiums*)
- 051 Hydraulics & Pneumatics
- 052 Industrial Buildings; Manufacturing Plants
- 053 Industrial Processes; Quality Control
- 054 Industrial Waste Treatment
- 055 Interior Design; Space Planning
- 056 Irrigation; Drainage
- 057 Judicial and Courtroom Facilities
- 058 Laboratories; Medical Research Facilities
- 059 Landscape Architecture
- 060 Libraries; Museums; Galleries
- 061 Lighting (*Interiors; Display; Theatre, Etc.*)
- 062 Lighting (*Exteriors; Streets; Memorials; Athletic Fields, Etc.*)
- 063 Materials Handling Systems; Conveyors; Sorters
- 064 Metallurgy
- 065 Microclimatology; Tropical Engineering
- 066 Military Design Standards
- 067 Mining & Mineralogy
- 068 Missile Facilities (*Silos; Fuels; Transport*)
- 069 Modular Systems Design; Prefabricated Structures or Components
- 070 Naval Architecture; Off-Shore Platforms
- 071 Nuclear Facilities; Nuclear Shielding
- 072 Office Buildings; Industrial Parks
- 073 Oceanographic Engineering
- 074 Ordnance; Munitions; Special Weapons
- 075 Petroleum Exploration; Refining
- 076 Petroleum and Fuel (*Storage and Distribution*)
- 077 Pipelines (*Cross-Country - Liquid & Gas*)
- 078 Planning (*Community, Regional, Area-wide and State*)
- 079 Planning (*Site, Installation, and Project*)
- 080 Plumbing & Piping Design
- 081 Pneumatic Structures; Air-Support Buildings
- 082 Postal Facilities

- 083 Power Generation, Transmission, Distribution
- 084 Prisons & Correctional Facilities
- 085 Product, Machine & Equipment Design
- 086 Radar; Sonar; Radio & Radar Telescopes
- 087 Railroad; Rapid Transit
- 088 Recreation Facilities (*Parks, Marinas, Etc.*)
- 089 Rehabilitation (*Buildings; Structures; Facilities*)
- 090 Resource Recovery; Recycling
- 091 Radio Frequency Systems & Shieldings
- 092 Rivers; Canals; Waterways; Flood Control
- 093 Safety Engineering; Accident Studies; OSHA Studies
- 094 Security Systems; Intruder & Smoke Detection
- 095 Seismic Designs & Studies
- 096 Sewage Collection, Treatment and Disposal
- 097 Soils & Geologic Studies; Foundations
- 098 Solar Energy Utilization
- 099 Solid Wastes; Incineration; Land Fill
- 100 Special Environments; Clean Rooms, Etc.
- 101 Structural Design; Special Structures
- 102 Surveying; Platting; Mapping; Flood Plain Studies
- 103 Swimming Pools
- 104 Storm Water Handling & Facilities
- 105 Telephone Systems (*Rural; Mobile; Intercom, Etc.*)
- 106 Testing & Inspection Services
- 107 Traffic & Transportation Engineering
- 108 Towers (*Self-Supporting & Guyed Systems*)
- 109 Tunnels & Subways
- 110 Urban Renewal; Community Development
- 111 Utilities (*Gas & Steam*)
- 112 Value Analysis; Life-Cycle Costing
- 113 Warehouses & Depots
- 114 Water Resources; Hydrology; Ground Water
- 115 Water Supply, Treatment and Distribution
- 116 Wind Tunnels; Research/Testing Facilities Design
- 117 Zoning; Land Use Studies
- 209 - Passenger Stations
- 202
- 203
- 204
- 205

Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)
1) 008	10	923	11) 052	3	103	21) 096	2	142	26) 209	1	50
2) 014	5	89	12) 054	1	123	22) 107	2	208	27) 209	1	50
3) 017	43	694	13) 055	97	471	23) 110	1	2	28) 209	1	50
4) 023	1	144	14) 058	4	177	24) 115	1	18	29) 209	1	50
5) 027	8	92	15) 059	2	58	25) 209	1	50	30) 209	1	50
6) 029	5	840	16) 060	1	4						
7) 039	7	119	17) 072	28	538						
8) 048	1	15	18) 079	34	658						
9) 049	6	865	19) 088	6	90						
10) 050	42	1333	20) 089	5	171						

11. Project Examples, Last 5 Years

Profile Code	"P", "C", "JV", or "IE"	Project Name and Location	Owner Name and Address	Cost of Work (in thousands)	Completion Date (Actual or Estimated)
008 039	JV JV	1 Maryland Concert Hall Parking Garage	Baltimore Symphony Orchestra, Inc. Baltimore, MD	10,500 2,000	1983
008	JV	2 Performing Arts Building/Douglass Campus	Douglass College Rutgers University New Brunswick, NJ	3,700	1981
072	P	3 Corporate Office Expansion & Renovation	Instron Corporation Canton, Ma.	2,000	1978
029	JV	4 Instructional Building & Scenic Design Lab. Art Music and Drama Center	Douglass College Rutgers University New Brunswick, NJ	6,000 500	1975 1976
029	JV	5 Ancona, School of Engineering Ancona, Italy A complete 3000 student University Campus (Academic-Bldg and dorm-facilities)	Italian Government Ancona, Italy	30,000	1984
050	JV	6 Dominion Place, 249 Family Units Richmond, VA	Dominion Place Associates Boston, Ma.	6,500	1978
050	P	7 116 Units Housing for the Elderly Lynn, MA	Lynn Housing Authority Lynn, MA.	2,500	1976

050	P	⁸ Quincy Tower; 162 Units Housing for the Elderly Boston, Ma.	Quincy Tower Associates Boston, Ma.	4,000	1977
050	JV	⁹ Bay State Apt.; 360 Units Elderly Housing Springfield, Ma.	Beacon Construction Co. Boston, Ma.	6,500	1974
052	P	¹⁰ (2) Additions to Light Manufacturing & Office Building Rockland, Ma.	Electro Signal Lab, Inc. Rockland, Ma.	500, 500,	1976 1978
054	C	¹¹ Waste Water Treatment Facility Niagara NY	City of Niagara New York	20,000	1977
058	P	¹² Renovation of Department Store to Medical Building	Chestnut Hill Medical Center, Assoc. Chestnut Hill, MA	1,030	1977
058	C	¹³ Laser Fusion Laboratory Rochester, NY	University of Rochester Rochester NY	7,500	1977
072	JV	¹⁴ Master planning and Three Rental Office Buildings Wellesley, MA 1970-1976	Wellesley Office Park Associates Wellesley, MA	12,000	1973 1976 1978
072	P	¹⁵ Master Planning and Three Rental Office Buildings, Woburn, MA	Unicorn Park Corporation 240 Sidney St. Cambridge, Ma.	8,700	1978 1979 1981
072	JV	¹⁶ Rental Bank/Office Building Portland, Me.	Maine Savings Bank Portland, Me.	5,000	1975
078	P	¹⁷ Master Plan for 9,000,000 s.f. mixed used development within Metro Rail System	Rose Associates (developer) New York, NY	N/A	N/A
089	JV	¹⁸ Urban Development Studies 33 acres Fort Point Channel, Boston, MA	Town and City Properties New York, NY	N/A	
079	P	¹⁹ Redevelopment Studies, Revere Beach, MA 3 Housing Projects, 600 Units	Alba Corp Chelsea, MA	24,000	1981 1983 1984

209	C	Wastewater Treatment Facilities Lawrence, MA	² Roxbury Crossing station Southwest Corridor Expansion	Greater Lawrence Sanitary District Lawrence, MA	20,000,	1977
050	JV	²⁰ Blue Ridge Estates 182 Units Housing (family/elderly) Richmond, VA		Mass. Bay Transportation Authority Boston, Ma.	3,250,	1983
072	P	²¹ Two Monument Square - rental Office building Portland, ME		Blue Ridge Estates Associates Richmond, Va	3,712,	1980
072	P	²² One Post Office Square 39 Story Office Building 300 Room Hotel; 400 Car Garage Boston, MA		Two Monument Square Trust c/o Finard & Co. One Wells Avenue, Newton MA	5,000	1980
072	P	²³ Office Building; Bedford, MA Office & Manufacturing Facility Andover, MA; 300,000 square feet		The Beacon Companies One Center Plaza Boston, Ma. 02108	54,000	1981
089	P	²⁴ Metropolitan Center renovations to Music Hall Boston, Ma.		GCA Corporation, Burlington Road Bedford, MA	2,500	1979
089	J/V	²⁵ Rehab of Warehouses to: 88 Units of Housing Sleeper St., Boston, MA		GCA Corporation, Burlington Road Bedford, MA	12,200	1980
089	P	²⁶ Studies and renovations Commonwealth Pier 5 Boston, Ma.		Metropolitan Center, Inc. 45 Broad Street Boston, MA	3,500	1981
050	JV	²⁷ Blake Estates 175 units Housing(elderly) Hyde Park, MA		Rose Associates 522 5th Avenue, NY, NY	2,500	1980
089	P	²⁸ Ten Post Office Square Boston, MA 02108 Renovation & Rehabilitation		Massport Authority 99 High St., Boston, MA	NA	NA
089	P	²⁹ Leggat, McCall and Werner Boston, MA		Blake Estates Associates Boston, MA	4,750,	1980
089	P	³⁰ Leggat, McCall and Werner Boston, MA		Leggat, McCall and Werner Boston, MA	1,500	1979
12. The foregoing is a statement of facts				Date: July 1, 1979		
Signature: <i>Ray C. Bump, Jr.</i>		Typed Name and Title: Ray C. Bump, Jr. Exec. VP				

Standard Form (SF) 254

Notes:

1. Projects marked "JV" are joint ventures with Pietro Belluschi. Jung/Brannen collaborated with Pietro Belluschi in conceptual design and was entirely responsible for design development. Construction documents include specifications and contract administration.
2. Projects marked "J/B" are joint ventures with John Sharratt Associates - an expert in housing rehabilitation.
3. Projects marked "C" are those when Jung/Brannen was Architect member of a team headed by an engineering firm. Jung/Brannen was responsible for architectural design, contract documents and partial contract administration.

Architect-Engineer and Related Services Questionnaire

1. Firm Name / Business Address:
LEV ZETLIN ASSOCIATES OF MASSACHUSETTS, INC.
131 State Street, Boston, Mass. 02109

2. Year Present Firm Established:
1970

Date Prepared:
FEBRUARY, 1979

5. Name of Parent Company, if any:
LEV ZETLIN ASSOCIATES, INC.

5a. Former Firm Name(s), if any, and Year(s) Established:
LEV ZETLIN & ASSOCIATES (1956 - 1970)
LEV ZETLIN ASSOCIATES, INC. (Since 1970)

4. Type of Ownership:
4a. Minority Owned ☐ yes ☒ no

6. Names of not more than Two Principals to Contact: Title / Telephone

- 1) FRANK H. FOSTER, VICE PRESIDENT (617) 367-3106
- 2) ROBERT A. FAIRBANKS, SENIOR ASSOCIATE (617) 367-3106

7. Present Offices: City / State / Telephone / No. Personnel Each Office

- 1) BOSTON, MASSACHUSETTS (617) 367-3106 (35)
- 2) NEW YORK, NEW YORK (212) 889-3130 (62)
- 3) WASHINGTON, D.C. (202) 286-5313 (1)

7a. Total Personnel 98

8. Personnel by Discipline:

- 2 Administrative
- 1 Architects
- Chemical Engineers
- 5 Civil Engineers
- 2 Construction Inspectors
- 4 Draftsmen
- Ecologists
- Economists
- 6 Electrical Engineers
- 1 Estimators
- Geologists
- Hydrologists
- Interior Designers
- Landscape Architects
- 7 Mechanical Engineers
- Mining Engineers

*NOTE: ALL REGISTERED ENGINEERS OF THE FIRM ARE QUALIFIED TO WRITE SPECIFICATIONS.

- Oceanographers
- Planners: Urban/Regional
- 2 Sanitary Engineers
- Soils Engineers
- * Specification Writers
- 4 Structural Engineers
- Surveyors
- Transportation Engineers
- 35 TOTAL

9. Summary of Professional Services Fees Received: (insert index number)

Direct Federal contract work, including overseas
All other domestic work
All other foreign work

Last 5 Years (most recent year first)

1978	1977	1976	1975	1974
2	2	1	1	1
4	4	4	3	3
1	1	1		

Ranges of Professional Services Fees INDEX

- 1. Less than \$100,000
- 2. \$100,000 to \$250,000
- 3. \$250,000 to \$500,000
- 4. \$500,000 to \$1 million
- 5. \$1 million to \$2 million
- 6. \$2 million to \$5 million
- 7. \$5 million to \$10 million
- 8. \$10 million or greater

*Firms interested in foreign work, but without such experience, check here: ☐

10. Profile Firm's Project Experience, Last 5 Years

Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)
1) 005	2	35	11) 043	50	700	21) 083	3	82
2) 006	5	600	12) 045	2	460	22) 086	2	70
3) 017	2	30	13) 046	23	375	23) 089	10	500
4) 021	7	105	14) 048	9	900	24) 095	3	800
5) 029	5	650	15) 052	4	130	25) 097	2	200
6) 032	6	160	16) 058	4	108	26) 101	30	400
7) 035	2	100	17) 061	20	250	27) 108	2	120
8) 036	4	75	18) 069	2	225	28) 111	2	25
9) 039	7	550	19) 080	20	300	29) 112	4	90
10) 042	2	95	20) 082	2	120	30) 112		

11. Project Examples, Last 5 Years

Profile Code	"P", "C", "JV", or "E"	Project Name and Location	Owner Name and Address	Cost of Work (In thousands)	Completion Date (Actual or Estimated)
005	"P"	1 NOSE DOCK FUEL CELL MAINTENANCE FACILITY, Westover Air Force Base Massachusetts	NEW YORK DISTRICT CORPS OF ENGINEERS 26 Federal Plaza New York, New York	250	1970
006	"P"	2 TRUCK DISTRIBUTION FACILITY Albany, New York	ST. JOHNSBURY TRUCKING COMPANY St. Johnsbury, Vermont	1,500	1979
017	"C"	3 ROME BRIDGE SHOPPING MALL Rome, New York	CITY OF ROME Rome, New York	1,000	1976
021	"P"	4 PARKING FACILITY Monmouth Mall, Eatontown, New Jersey	ARLEN PROPERTIES New York, New York	2,300	1978
029	"C"	5 SALEM HIGH SCHOOL Salem, Massachusetts	CITY OF SALEM Salem, Massachusetts	5,000	1976
032	"C"	6 VAN NUYS MAIN POST OFFICE Van Nuys, California	UNITED STATES POSTAL SERVICE 15701 Sherman Way Van Nuys, California 91409	N.A.	1976
035	"C"	7 ST. JOHN FISHER COLLEGE Rochester, New York	ST. JOHN FISHER COLLEGE Rochester, New York	1,300	1978

036		LIKE and ... Boston, Massachusetts	Boston, Massachusetts	250	1977
039	"C"	9 BOSTON SERVICE CENTER Boston, Massachusetts	CITY OF BOSTON Boston, Massachusetts	7,000	1975
042	"P"	10 CONTAINERPORT FACILITIES Howland Hook, Staten Island, New York	UNITED STATES LINES One Broadway New York, New York	2,500	1976
043	"C"	11 BREED JUNIOR HIGH SCHOOL Lynn, Massachusetts	CITY OF LYNN Lynn, Massachusetts	5,000	1976
045	"C"	12 GATEWAY APARTMENT/COMMERCIAL COMPLEX Cleveland, Ohio	NORCOM 946 The Leader Building Cleveland, Ohio	10,000	1977
046	"C"	13 LOGAN SOUTH TERMINAL COMPLEX Logan International Airport Boston, Massachusetts	MASSACHUSETTS PORT AUTHORITY 99 High Street Boston, Massachusetts 02110	3,000	1976
048	"C"	14 MOUNT AUBURN HOSPITAL Mount Auburn, Massachusetts	MOUNT AUBURN HOSPITAL 330 Mount Auburn Street Cambridge, Massachusetts 02138	7,000	1975
052	"P"	15 WATERFRONT SUPPORT FACILITY AND FIELD SHOPS, Portsmouth, New Hampshire	NAVFAC NORTHEAST REGION Philadelphia, Pennsylvania	1,300	1978
058	"P"	16 LABORATORIES AND OFFICES Plainsboro, New Jersey	FIRMENICH OF AMERICA, INC. P.O. Box 5880 Princeton, New Jersey 08540	5,600	1976
061	"C"	17 SALEM HIGH SCHOOL Salem, Massachusetts	CITY OF SALEM Salem, Massachusetts	450	1976
069	"C"	18 SOCIAL SECURITY ADMINISTRATION COMPLEX Baltimore, Maryland	GENERAL SERVICES ADMINISTRATION 19 and F Streets, N.W. Washington, D.C. 20405	15,000	1977
080	"C"	19 SALEM HIGH SCHOOL Salem, Massachusetts	CITY OF SALEM Salem, Massachusetts	700	1978

082	"C"	POST OFFICE AND FEDERAL BUILDING Fitchburg, Massachusetts	UNITED STATES GOVERNMENT Main Fitchburg Fitchburg, Massachusetts	1,651	1973
083	"C"	21 MOUNT AUBURN HOSPITAL Cambridge, Massachusetts	MOUNT AUBURN HOSPITAL 330 Mount Auburn Street Cambridge, Massachusetts 02138	900	1979
086	"P"	22 HEIGHTFINDER TOWER AND SUPPORT FACILITIES Winthrop, Massachusetts	NEW YORK DISTRICT CORPS OF ENGINEERS 26 Federal Plaza New York, New York 10007	350	1978
089	"C"	23 BROCKTON HIGH SCHOOL Brockton, Massachusetts	CITY OF BROCKTON Brockton, Massachusetts	2,100	1975
095	"P"	24 SEISMIC AND LIFE SAFETY ANALYSIS New England Region	VETERANS ADMINISTRATION 810 Vermont Avenue Washington, D.C. 20420	10,000	1978
097	"P"	GSA SUBSTRUCTURES	GENERAL SERVICES ADMINISTRATION 19 and F Streets, N.W. Washington, D.C. 20405	N.A.	1977
101	"P"	25 CRANE STRUCTURE Quonset Point, Rhode Island	GENERAL DYNAMICS CORPORATION North Kingstown, Rhode Island	4,600	1976
108	"P"	27 RADAR TOWERS Various	FEDERAL AVIATION ADMINISTRATION 800 Independence Avenue Washington, D.C. 20002	2,000	1976
111	"C"	26 BRISTOL COMMUNITY COLLEGE Fall River, Massachusetts	COMMONWEALTH OF MASSACHUSETTS P.O. Box 7022 Boston, Massachusetts 02204	10,000	1975
112	"C"	29 SOCIAL SECURITY ADMINISTRATION COMPLEX Baltimore, Maryland	GENERAL SERVICES ADMINISTRATION 19 and F Streets, N.W. Washington, D.C. 20405	15,000	1977

12. The foregoing is a statement of facts
 Signature: *Frank H. Foster* Typed Name and Title: FRANK H. FOSTER, VICE PRESIDENT

Date: FEBRUARY, 1979

1. Firm Name / Business Address:

Zaldastani Associates, Inc.
7 Water Street
Boston, Massachusetts 021091a. Submittals for ☒ Parent Company ☐ Branch Office2. Year Present Firm
Established:

1964

3. Date Prepared:

6 September 1979

4. Type of Ownership:

4a. Minority Owned ☐ yes ☒ no

5. Name of Parent Company, if any:

5a. Former Firm Name(s), if any, and Year(s) Established:
Nichols, Norton and Zaldastani, Inc.

Nichols, Norton and Zaldastani

Nichols and Norton

John R. Nichols and Paul W. Norton

1964

1955

1945

1940

6. Names of not more than Two Principals to Contact: Title / Telephone

1)

2) Dr. Othar Zaldastani, President (617) 367-6060

7. Present Offices: City / State / Telephone / No. Personnel Each Office

Boston, Massachusetts / (617) 367-6060 / 23

7a. Total Personnel 23

8. Personnel by Discipline:

3. Administrative

Architects

Chemical Engineers

Civil Engineers

Construction Inspectors

5. Draftsmen

Ecologists

Economists

Electrical Engineers

Estimators

Geologists

Hydrologists

Interior Designers

Landscape Architects

Mechanical Engineers

Mining Engineers

Oceanographers

Planners: Urban/Regional

Sanitary Engineers

Soils Engineers

Specification Writers

15 Structural Engineers

Surveyors

Transportation Engineers

9. Summary of Professional Services Fees

Received: (insert index number)

Last 5 Years (most recent year first)

19 78 19 77 19 76 19 75 19 74

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3. \$250,000 to \$500,000
4. \$500,000 to \$1 million
5. \$1 million to \$2 million
6. \$2 million to \$5 million
7. \$5 million to \$10 million
8. \$10 million or greater

Experience Profile Code Numbers for use with questions 10 and 11

- 001 Acoustics; Noise Abatement
- 002 Aerial Photogrammetry
- 003 Agricultural Development; Grain Storage; Farm Mechanization
- 004 Air Pollution Control
- 005 Airports; Navajids; Airport Lighting; Aircraft Fueling
- 006 Airports; Terminals & Hangars; Freight Handling
- 007 Arctic Facilities
- 008 Auditoriums & Theatres
- 009 Automation; Controls; Instrumentation
- 010 Barracks; Dormitories
- 011 Bridges
- 012 Cemeteries (*Planning & Relocation*)
- 013 Chemical Processing & Storage
- 014 Churches; Chapels
- 015 Codes; Standards; Ordinances
- 016 Cold Storage; Refrigeration; Fast Freeze
- 017 Commercial Buildings (*low rise*); Shopping Centers
- 018 Communications Systems; TV; Microwave
- 019 Computer Facilities; Computer Service
- 020 Conservation and Resource Management
- 021 Construction Management
- 022 Corrosion Control; Cathodic Protection; Electrolysis
- 023 Cost Estimating
- 024 Dams (*Concrete; Arch*)
- 025 Dams (*Earth; Rock*); Dikes; Levees
- 026 Desalinization (*Process & Facilities*)
- 027 Dining Halls; Clubs; Restaurants
- 028 Ecological & Archeological Investigations
- 029 Educational Facilities; Classrooms
- 030 Electronics
- 031 Elevators; Escalators; People-Movers
- 032 Energy Conservation; New Energy Sources
- 033 Environmental Impact Studies, Assessments or Statements
- 034 Fallout Shelters; Blast-Resistant Design
- 035 Field Houses; Gyms; Stadiums
- 036 Fire Protection
- 037 Fisheries; Fish Ladders
- 038 Forestry & Forest Products
- 039 Garages; Vehicle Maintenance Facilities; Parking Decks
- 040 Gas Systems (*Propane; Natural, Etc.*)

- 041 Graphic Design
- 042 Harbors; Jetties; Piers; Ship Terminal Facilities
- 043 Heating; Ventilating; Air Conditioning
- 044 Health Systems Planning
- 045 Highrise; Air-Rights-Type Buildings
- 046 Highways; Streets; Airfield Paving; Parking Lots
- 047 Historical Preservation
- 048 Hospitals & Medical Facilities
- 049 Hotels; Motels
- 050 Housing (*Residential, Multi-Family; Apartments; Condominiums*)
- 051 Hydraulics & Pneumatics
- 052 Industrial Buildings; Manufacturing Plants
- 053 Industrial Processes; Quality Control
- 054 Industrial Waste Treatment
- 055 Interior Design; Space Planning
- 056 Irrigation; Drainage
- 057 Judicial and Courtroom Facilities
- 058 Laboratories; Medical Research Facilities
- 059 Landscape Architecture
- 060 Libraries; Museums; Galleries
- 061 Lighting (*Interiors; Display; Theatre, Etc.*)
- 062 Lighting (*Exteriors; Streets; Memorials; Athletic Fields, Etc.*)
- 063 Materials Handling Systems; Conveyors; Sorters
- 064 Metallurgy
- 065 Microclimatology; Tropical Engineering
- 066 Military Design Standards
- 067 Mining & Mineralogy
- 068 Missile Facilities (*Silos; Fuels; Transport*)
- 069 Modular Systems Design; Pre-Fabricated Structures or Components
- 070 Naval Architecture; Off-Shore Platforms
- 071 Nuclear Facilities; Nuclear Shielding
- 072 Office Buildings; Industrial Parks
- 073 Oceanographic Engineering
- 074 Ordnance; Munitions; Special Weapons
- 075 Petroleum Exploration; Refining
- 076 Petroleum and Fuel (*Storage and Distribution*)
- 077 Pipelines (*Cross-Country—Liquid & Gas*)
- 078 Planning (*Community, Regional, Areawide and State*)
- 079 Planning (*Site, Installation, and Project*)
- 080 Plumbing & Piping Design
- 081 Pneumatic Structures; Air-Support Buildings
- 082 Postal Facilities

- 083 Power Generation, Transmission, Distribution
- 084 Prisons & Correctional Facilities
- 085 Product, Machine & Equipment Design
- 086 Radar; Sonar; Radio & Radar Telescopes
- 087 Railroad; Rapid Transit
- 088 Recreation Facilities (*Parks, Marinas, Etc.*)
- 089 Rehabilitation (*Buildings; Structures; Facilities*)
- 090 Resource Recovery; Recycling
- 091 Radio Frequency Systems & Shieldings
- 092 Rivers; Canals; Waterways; Flood Control
- 093 Safety Engineering; Accident Studies; OSHA Studies
- 094 Security Systems; Intruder & Smoke Detection
- 095 Seismic Designs & Studies
- 096 Sewage Collection, Treatment and Disposal
- 097 Soils & Geologic Studies; Foundations
- 098 Solar Energy Utilization
- 099 Solid Wastes; Incineration; Land Fill
- 100 Special Environments; Clean Rooms, Etc.
- 101 Structural Design; Special Structures
- 102 Surveying; Platting; Mapping; Flood Plain Studies
- 103 Swimming Pools
- 104 Storm Water Handling & Facilities
- 105 Telephone Systems (*Rural; Mobile; Intercom, Etc.*)
- 106 Testing & Inspection Services
- 107 Traffic & Transportation Engineering
- 108 Towers (*Self-Supporting & Guyed Systems*)
- 109 Tunnels & Subways
- 110 Urban Renewal; Community Development
- 111 Utilities (*Gas & Steam*)
- 112 Value Analysis; Life-Cycle Costing
- 113 Warehouses & Depots
- 114 Water Resources; Hydrology; Ground Water
- 115 Water Supply, Treatment and Distribution
- 116 Wind Tunnels; Research/Testing Facilities Design
- 117 Zoning; Land Use Studies
- 201 _____
- 202 _____
- 203 _____
- 204 _____
- 205 _____

029	C	6 Student Residences and Liberal Arts Building Keene, New Hampshire 03431	University of New Hampshire Keene, New Hampshire	8,000	1980
029	C	9 Health Sciences Education Building Tufts University Medford, Massachusetts 02155	Tufts University Medford, Massachusetts	12,000	1982
029	C	10 Human Nutrition Center Tufts University Medford, Massachusetts 02155	Tufts University Medford, Massachusetts	20,000	1981
039	C	11 Crown Center Apartments Kansas City, Missouri 64108	Crown Center Redevelopment Corp. Kansas City, Missouri	25,000	1976
039	JV	12 Hancock Place Garage Boston, Massachusetts 02116	John Hancock Mutual Life Insurance Co. Boston, Massachusetts	16,000	1973
039	C	13 Central Parking Facility Logan International Airport Boston, Massachusetts 02128	Massachusetts Port Authority East Boston, Massachusetts	11,400	1972
039	C	14 M.B.T.A. Garage South Braintree, Massachusetts	Massachusetts Bay Transportation Authority Boston, Massachusetts	12,000	1982
039	C	15 Wonderland M.B.T.A. Garage Revere, Massachusetts 02151	Massachusetts Bay Transportation Authority Boston, Massachusetts	12,000	1982
039, 048	C	16 Ten-Story Medical Staff Building Four-Story Doctor's Office Building Cobalt Therapy Unit & Garage Cambridge, Massachusetts 02138	Mount Auburn Hospital Cambridge, Massachusetts	20,000	1975
039, 049, 072, 017	C	17 Copley Place Boston, Massachusetts 02116	Urban Investment & Development Corp. Boston, Massachusetts	200,000	1983
048	C	18 Cancer Management Center Boston, Massachusetts 02114	Massachusetts General Hospital Boston, Massachusetts	12,000	1976
049	C	19 Baghdad Sheraton Hotel Baghdad, Iraq	Ministry of Tourism Iraq	60,000	1980

10 Profile of Firm's Project Experience, Last 5 Years

Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)
1) 039	10	1050	11) 047	1	100	21) 089	3	200
2) 209	4	120	12) 048	7	900	22)		
3) 006	4	300	13) 049	3	300	23)		
4) 010	2	35	14) 050	8	780	24)		
5) 014	1	20	15) 058	2	150	25)		
6) 016	1	15	16) 060	3	140	26)		
7) 017	4	250	17) 069	12	1400	27)		
8) 029	6	400	18) 072	8	300	28)		
9) 035	5	150	19) 083	1	300	29)		
10) 045	4	300	20) 088	1	40	30)		

11. Project Examples, Last 5 Years

Profile Code	"P", "C", "JV", or "IE"	Project Name and Location	Owner Name and Address	Cost of Work (in thousands)	Completion Date (Actual or Estimated)
006	C	¹ Control Tower Logan Airport Boston, Massachusetts 02128	Massachusetts Port Authority East Boston, Massachusetts	6,000	1974
006	C	² International Terminal Logan Airport Boston, Massachusetts 02128	Massachusetts Port Authority East Boston, Massachusetts	23,000	1975
017	C	³ Rome Bridge Rome, New York 13440	City of Rome Rome, New York	2,000	1977
018	C	⁴ Equipment Buildings American Telephone & Telegraph Co. Cambridge, Massachusetts 02138	American Telephone & Telegraph Boston, Massachusetts	30,000	1975
029	C	⁵ Bunkerhill Community College Charlestown, Massachusetts 02129	Commonwealth of Massachusetts Boston, Massachusetts	30,000	1973
029	C	⁶ Sherman Fairchild Sciences Center Dartmouth College Hanover, New Hampshire 03755	Dartmouth College Hanover, New Hampshire	4,000	1976
029	C	⁷ L'Institut National d'Electricite et d'Electronique (INELEC) Tlemcen, Algeria	The National Company for Manufacture and Assembly of Electrical and Electronic Equipment (SONELEC) Algeria	70,000	1981

049	C	Basrah Sheraton Hotel Basrah, Iraq	Ministry of Tourism Iraq	40,000	1980
050	C	Brookline Marsh Area Housing Brookline, Massachusetts 02147	Brookline Village Associates Brookline, Massachusetts	8,000	1977
050	C	Crown Center Apartments Kansas City, Missouri 64108	Crown Center Redevelopment Corp. Kansas City, Missouri	21,000	1976
058	C	Buildings 969 & 972 Building 973 Burlington, Vermont 15401	IBM White Plains, New York	60,000	1979
060	C	National Library and Cultural Center Abu Dhabi, U.A.E.	United Arab Emirates	30,000	1979
072	C	John W. McCormack Office Building and Garage Boston, Massachusetts 02108	Commonwealth of Massachusetts Boston, Massachusetts	30,000	1975
078	C	Jubail Permanent Community Master Plan Consultation Jubail, Saudi Arabia	Royal Commission of Jubail and Yanbu Saudi Arabia	Over one billion	Undeter- mined
078	C	Master Plan Consultation The Academic Campus of the Royal Saudi Naval Academy Jubail, Saudi Arabia	Kingdom of Saudi Arabia	Master Plan	1979
082	C	South Postal Annex Boston, Massachusetts 02193	United States Postal Service Washington, D.C.	14,000	1979
083	C	Medical Area Total Energy Plant Boston, Massachusetts 02215	Harvard University Cambridge, Massachusetts	130,000	1979
089	C	Faneuil Hall Marketplace Boston, Massachusetts 02109	R.J.W. Rouse Company Columbia, Maryland	30,000	1978

12. The foregoing is a statement of facts

Signature: *Othar Zaldastani*

Typed Name and Title:

Othar Zaldastani, President

Date:

6 September 1979

<p>a. Name & Title:</p> <p>Dr. Othar Zaldastani, President</p>	<p>a. Name & Title:</p> <p>Michael J.A.H. Jolliffe, Vice President</p>
<p>b. Project Assignment:</p> <p>Principal</p>	<p>b. Project Assignment:</p> <p>Project Manager for Structural Engineering</p>
<p>c. Name of Firm with which associated:</p> <p>Zaldastani Associates, Inc.</p>	<p>c. Name of Firm with which associated:</p> <p>Zaldastani Associates, Inc.</p>
<p>d. Years experience: With This Firm <u>22</u> With Other Firms <u>---</u></p>	<p>d. Years experience: With This Firm <u>15</u> With Other Firms <u>6</u></p>
<p>e. Education: Degree(s) / Year / Specialization</p> <p>Dip. Eng., Ecole National des Ponts et Chaussees, Paris 1945, Structures</p> <p>M.S., Harvard University, 1947, Soil Mechanics</p> <p>Sc.D. Harvard University, 1950, Applied Mechanics</p>	<p>e. Education: Degree(s) / Years / Specialization</p> <p>B. Sc.(Eng.), Imperial College, London, 1957</p> <p>D.I.C. (in Structures), Imperial College, London, 1960</p>
<p>f. Active Registration: Year First Registered/Discipline</p> <p>1953 Professional Engineer</p>	<p>f. Active Registration: Year First Registered/Discipline</p> <p>1963 Professional Engineer</p>
<p>g. Other Experience and Qualifications relevant to the proposed project:</p> <p>Structural Engineer of Record of over 1000 projects, including major projects in the categories of:</p> <ul style="list-style-type: none"> Housing and Hotels Colleges and Universities Hospitals and Clinics Offices and Commercial Facilities Libraries, Museums, and Other Cultural facilities Schools Recreational Facilities Parking Structures and Transportation Facilities <p>Extensive experience in Soil Mechanics and Aerodynamics</p> <p>Co-Chairman, Joint Committee on Seismic Design Criteria ASCE-BSCE.</p>	<p>g. Other Experience and Qualifications relevant to the proposed project:</p> <p>Project Manager for Structural Engineering for:</p> <ul style="list-style-type: none"> Logan Airport Central Parking Facility Logan Airport Elevated Roadway Hancock Place Garage, Everett Street Garage, North Station Garage South Station Transportation Center <p>Responsible for the overall design and administration of complex building projects and for the development of industrialized building systems for housing and for long span structures including parking garages up to 1.5 million s.f. in area. Experience provides full understanding of the interaction of all building elements and services and ability to evaluate the benefits of industrialized techniques that can be introduced. Holder of U.S. and Canadian Patents for Structural Systems.</p>

<p>a. Name & Title:</p> <p>Joseph DiMartino, Associate</p>	<p>a. Name & Title:</p>
<p>b. Project Assignment:</p> <p>Project Engineer</p>	<p>b. Project Assignment:</p>
<p>c. Name of Firm with which associated:</p> <p>Zaldastani Associates, Inc.</p>	<p>c. Name of Firm with which associated:</p>
<p>d. Years experience: With This Firm <u>10</u> With Other Firms <u>2</u></p> <p>e. Education: Degree(s) / Year / Specialization</p> <p>B.C.E., Rensselaer Polytechnic Institute, 1963, Structures</p> <p>M.A.M., University of Virginia, 1965, Applied Mechanics</p> <p>f. Active Registration: Year First Registered/Discipline</p> <p>1972 Professional Structural Engineer</p>	<p>d. Years experience: With This Firm --- With Other Firms ---</p> <p>e. Education: Degree(s) / Years / Specialization</p> <p>f. Active Registration: Year First Registered/Discipline</p>
<p>g. Other Experience and Qualifications relevant to the proposed project:</p> <p>Project Engineer in charge of structural design for the following projects:</p> <p>South Postal Annex Rehabilitation, Boston, Ma.;</p> <p>First & Second Church in Boston (Unitarian-Universalist), Boston, Ma.;</p> <p>Bristol Community College, Lecture Complex and Humanities Center, Fall River, Ma.;</p> <p>University of New Hampshire, Liberal Arts Building, Keene, N.H.;</p> <p>Crown Center Apartments, Residential complex including several 30 story towers, Kansas City, Mo.;</p> <p>Faneuil Hall Marketplace Restoration, Boston, Ma.;</p> <p>Abu Dhabi National Library and Cultural Center, Abu Dhabi, United Arab Emirates;</p> <p>Western Pennsylvania Hospital, Critical Care Tower & Garage, Pittsburgh, Pa.</p>	<p>g. Other Experience and Qualifications relevant to the proposed project:</p>

8. Work by Firm or Joint Venture Members which Best Illustrates Current Qualifications Relevant to this Project (List not more than 10 Projects)

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Owner's Name & Address	d. Completion Date (actual or estimated)	e. Estimated Cost (in thousands)	
				Entire Project	Work for which Firm was/is responsible
(1) South Braintree M.B.T.A. Garage South Braintree, MA	Structural Engineer	Massachusetts Bay Transportation Authority Boston, Massachusetts	1979	6,000	4,200
(2) Park Street M.B.T.A. Renovations Boston, Massachusetts	Structural Engineer	Massachusetts Bay Transportation Authority Boston, Massachusetts	1978	4,200	500
(3) Control Tower Logan Airport Boston, Massachusetts	Structural Engineer	Massachusetts Port Authority East Boston, Massachusetts	1974	6,000	3,000
(4) Oak Grove M.B.T.A. Station Melrose, Massachusetts	Structural Engineer	Massachusetts Bay Transportation Authority Boston, Massachusetts	1976	3,000	1,200
(5) Wonderland M.B.T.A. Station Revere, Massachusetts	Structural Engineer	Massachusetts Bay Transportation Authority Boston, Massachusetts	1982	12,000	7,000
(6) John Hancock Place Garage Boston, Massachusetts	Co-Principal and Structural Engineer	John Hancock Mutual Life Insurance Company Boston, Massachusetts	1973	18,000	18,000
(7) Central Parking Facility Logan International Airport East Boston, Massachusetts	Structural Engineer	Massachusetts Port Authority East Boston, Massachusetts	1971	12,000	8,000
(8) International Terminal Logan International Airport East Boston, Massachusetts	Structural Engineer	Massachusetts Port Authority East Boston, Massachusetts	1975	23,000	5,000
(9) Finger Piers B and C Logan International Airport East Boston, Massachusetts	Structural Engineer	Massachusetts Port Authority East Boston, Massachusetts	1969	6,500	2,000
(10) Logan Roadway Logan International Airport East Boston, Massachusetts	Structural Engineer	Massachusetts Port Authority East Boston, Massachusetts	1967	5,000	10,000

9. All work by firms or Joint Venture members currently being performed directly for Federal agencies **

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Agency (Responsible Office) Name & Address	d. Percent complete	e. Estimated Cost (In Thousands)	
				Entire Project	Work for which firm is responsible
Royal Saudi Arabia Naval Academy Jubail, Saudi Arabia	Structural Engineering Master Planning Phase	The Architects Collaborative/ U.S. Army Corps of Engineers Washington, D.C.	20%	NOT DETERMINED 100,00+	
South Postal Annex Renovations Boston, Massachusetts	Structural Engineer of Record	Perry, Dean, Stahl & Rogers/ U.S. Postal Service, Washington, D.C.	100%	15,000	1500
South Postal Annex Addition Boston, Massachusetts	Structural investigations of Floor Systems and other Structural Elements	Fuller Constr.-Ralph M. Parsons Co./U.S. Postal Service, Washington, D.C.	100%	-	-
Human Nutrition Center Boston, Massachusetts	Structural Engineer of Record	Shepley, Bulfinch, Richardson & Abbott/ U.S. Dept. of Agriculture, Beltsville, Md.	70%	20,000	4000
Worcester Post Office Worcester, Massachusetts	Structural Investigation of Roof Collapse	U.S. Postal Service, New England Region, Lexington, Mass.	100%	-	-

** Work Performed as Subconsultants to Architects directly responsible to Federal Agencies

Tsiang Engineering Inc.
430 Lexington Street, Auburndale, MA 02166

1a. Submittal is for ☒ Parent Company ☐ Branch Office

2. Year Present Firm
Established: 1971

3. Date Prepared: 1979

4. Type of Ownership:

4a. Minority Owned ☒ yes ☐ no

5. Name of Parent Company, if any:

N/A

5a. Former Firm Name(s), if any, and Year(s) Established:

Donald C. Tsiang, Structural Engineers, 1961

6. Names of not more than Two Principals to Contact: Title / Telephone

1) Donald C. Tsiang, President, 617-332-0418
2)

7. Present Offices: City / State / Telephone / No. Personnel Each Office

430 Lexington Street
Auburndale, MA 02166
617-332-0418

7a. Total Personnel 3

8. Personnel by Discipline:

Administrative	Electrical Engineers	Oceanographers
Architects	Estimators	Planners: Urban/Regional
Chemical Engineers	Geologists	Sanitary Engineers
Civil Engineers	Hydrologists	Soils Engineers
Construction Inspectors	Interior Designers	Specification Writers
Draftsmen	Landscape Architects	<input checked="" type="checkbox"/> Structural Engineers
Ecologists	Mechanical Engineers	Surveyors
Economists	Mining Engineers	Transportation Engineers

9. Summary of Professional Services Fees
Received: (Insert index number)

Last 5 Years (most recent year first)

1978	1977	1976	1975	1974

Direct Federal contract work, including overseas

All other domestic work

All other foreign work*

*Firms interested in foreign work, but without such experience, check here: ☐

Range of Professional Services Fees
INDEX

1. Less than \$100,000
2. \$100,000 to \$250,000
3. \$250,000 to \$500,000
4. \$500,000 to \$1 million
5. \$1 million to \$2 million
6. \$2 million to \$5 million
7. \$5 million to \$10 million
8. \$10 million or greater

Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)
1) 008	3	16	11) 058	3	33
2) 013	3	5	12) 069	3	12
3) 014	2	3	13) 070	1	2
4) 017	6	9	14) 072	9	28
5) 027	5	6	15) 082	8	10
6) 029	10	43	16) 088	7	14
7) 036	8	17	17) 089	17	19
8) 039	3	8	18) 113	3	4
9) 050	24	255	19) 095	All Projects Last 7 Years	
10) 052	5	11	20)		

[illegible]

Profile Code	"P", "C", "JV", or "IE"	Project Name and Location	Owner Name and Address	Cost of Work (in thousands)	Completion Date (Actual or Estimated)
008	C	1 Naval War College, Professional Educational Center Newport, RI	Navy	2,400	1974
008	C	2 Billerica Cinemas 1 & 2 Billerica, MA	E.A. Comeau Concord, MA	400	1978
013	C	3 Alteration and renovation to existing plant - American Hoechst Corp. Coventry, RI	American Hoechst Corp. Coventry, RI	200	1977
014	C	4 Christian Church of Norwood Norwood, MA	Christian Church of Norwood	300	1978
027	C	5 Giovanni's Restaurant Addition Marlborough, MA	Giovanni Marlborough, MA	200	1978
029	C	6 South Grafton Elementary School South Grafton, MA	Town of South Grafton South Grafton, MA	2,100	1976
029	C	7 Bridgman Middle School Providence, RI	City of Providence Providence, RI	4,100	1976

036	C	9 Gloucester Court House Gloucester, MA	Town of Gloucester Gloucester, MA	890	1973
036	C	10 Dover Fire & Police Headquarters Dover, MA	Town of Dover Dover, MA	500	1976
036	C	11 Public Safety Complex Exeter, NH	Town of Exeter Exeter, NH	900	1979
039	C	12 New England Telephone Facilities Building Framingham, MA	Dick Strahlke Natick, MA	900	1975
050	C	13 Arverne Housing Queens, New York New York	UDC New York, New York	38,000	1975
050	C	14 Elmwood Park Plaza Detroit, Michigan	Elmwood Park Co. Detroit, Michigan	6,500	1974
050	C	15 Somerville Housing for the Elderly Somerville, MA	City of Somerville Somerville, MA	2,000	1974
050	C	16 Marion Housing for the Elderly Marion, MA	Town of Marion Marion, MA	360	1979
050	C	17 North Andover Housing Andover, MA	Oxford Development Corp. Boston, MA	1,400	1980
050	C	18 Cobble Hill Housing Somerville, MA	Oxford Development Corp. Boston, MA	15,000	1979
050	C	19 Bolton North Apartments Baltimore, Maryland	Oxford Development Corp. Boston, MA	4,500	1977

050	C	²⁰ Claremont Housing for the Elderly Claremont, NH	Senior Citizens Housing Development Corp. of Claremont, NH	2,700	1980
052	C	²¹ Data Precision Corp. Danvers Industrial Park	Data Precision Corp. Danvers, MA	1,200	1978
058	C	²² RI Health Laboratory Providence, RI	H.E.W., RI	3,800	1977
069	C	²³ Relocatable Modular Units Anaheim, CA	Mobilease, Inc. Anaheim, CA	Unlimited	1974
069	C	²⁴ Medical Area Service Building Boston, MA	Pepsico Building System, Inc. Anaheim, CA	300	1976
071	C	²⁵ Multiservice Center Dorchester, MA	H.E.W., MA	500	1977
072	C	²⁶ Conway Building Scituate, MA	Conway Realty Scituate, MA	450	1978
072	C	²⁷ Chatham Office Building Chatham, MA	Town of Chatham Chatham, MA	300	1979
082	C	²⁸ Providence Post Office Addition Providence, RI	United States Post Office	1,000	1977
088	C	²⁹ Weston Racquet Club Waltham, MA	Weston Racquet Club Waltham, MA	700	1974
089	C	³⁰ Fraser School Conversion Northborough, MA	Town of Northborough	400	1978

12. The foregoing is a statement of facts

Signature: Donald C. Tsang Typed Name and Title: Donald C. Tsang, President

Date: 1979

1. Firm Name / Business Address:

Boston Survey Consultants, Inc.
263 Summer Street
Boston, MA 02210

1a. Submittal is for ☒ Parent Company ☐ Branch Office2. Year Present Firm
Established:

1965

3. Date Prepared:

May 21, 1979

4. Type of Ownership: Corporation

4a. Minority Owned ☐ yes ☒ no

5. Name of Parent Company, if any:

N/A

5a. Former Firm Name(s), if any, and Year(s) Established:

N/A

6. Names of not more than Two Principals to Contact: Title / Telephone

- 1) Gunther Greulich, Exec. V.P. (617) 426-8864
2)

7. Present Offices: City / State / Telephone / No. Personnel Each Office

Boston, MA 617-426-8864 28
Bedford, MA 617-275-7979 5
Worcester, MA 617-756-6083 7
Norwell, MA 617-659-2573 6
Halifax, MA 617-293-2226 4
Hyannis, MA 617-775-7155 3
Lexington, MA 617-862-4882 11

7a. Total Personnel: 64

8. Personnel by Discipline:

Administrative	Electrical Engineers	Oceanographers
Architects	Estimators	2 Planners: Urban/Regional
Chemical Engineers	Geologists	2 Sanitary Engineers
15 Civil Engineers	Hydrologists	1 Soils Engineers
2 Construction Inspectors	Interior Designers	Specification Writers
8 Draftsmen	Landscape Architects	Structural Engineers
1 Ecologists	Mechanical Engineers	25 Surveyors
Economists	Mining Engineers	Transportation Engineers

64 TOTAL (varies)

9. Summary of Professional Services Fees

Received: (insert index number)

Last 5 Years (most recent year first)

1978 1977 1976 1975 1974

Direct Federal contract work, including overseas

All other domestic work

All other foreign work*

*Firms interested in foreign work, but without such experience, check here: 13

Ranges of Professional Services Fees

1	Less than \$100,000
2	\$100,000 to \$250,000
3	\$250,000 to \$500,000
4	\$500,000 to \$1 million
5	\$1 million to \$2 million
6	\$2 million to \$5 million
7	\$5 million to \$10 million
8	\$10 million or more

Experience Profile Code Numbers for use with questions 10 and 11

- 001 Acoustics; Noise Abatement
- 002 Aerial Photogrammetry
- 003 Agricultural Development, Grain Storage, Farm Mechanization
- 004 Air Pollution Control
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- 006 Airports; Terminals & Hangars; Freight Handling
- 007 Arctic Facilities
- 008 Auditoriums & Theatres
- 009 Automation, Controls; Instrumentation
- 010 Barracks; Dormitories
- 011 Bridges
- 012 Cemeteries (*Planning & Relocation*)
- 013 Chemical Processing & Storage
- 014 Churches; Chapels
- 015 Codes; Standards; Ordinances
- 016 Cold Storage; Refrigeration; Fast Freeze
- 017 Commercial Buildings (*low rise*); Shopping Centers
- 018 Communications Systems; TV; Microwave
- 019 Computer Facilities; Computer Service
- 020 Conservation and Resource Management
- 021 Construction Management
- 022 Corrosion Control; Cathodic Protection; Electrolysis
- 023 Cost Estimating
- 024 Dams (*Concrete; Arch*)
- 025 Dams (*Earth; Rock*); Dikes; Levees
- 026 Desalination (*Process & Facilities*)
- 027 Dining Halls; Clubs; Restaurants
- 028 Ecological & Archeological Investigations
- 029 Educational Facilities, Classrooms
- 030 Electronics
- 031 Elevators, Escalators, People-Movers
- 032 Energy Conservation; New Energy Sources
- 033 Environmental Impact Studies, Assessments or Statements
- 034 Fallout Shelters, Blast-Resistant Design
- 035 Field Houses; Gyms; Stadiums
- 036 Fire Protection
- 037 Fisheries; Fish Ladders
- 038 Forestry & Forest Products
- 039 Garages, Vehicle Maintenance Facilities, Parking Decks
- 040 Gas Systems (*Propane; Natural, Etc.*)

- 041 Graphic Design
- 042 Harbors; Jetties; Piers; Ship Terminal Facilities
- 043 Heating; Ventilating; Air Conditioning
- 044 Health Systems Planning
- 045 Highrise; Air-Rights-Type Buildings
- 046 Highways; Streets; Airfield Paving, Parking Lots
- 047 Historical Preservation
- 048 Hospitals & Medical Facilities
- 049 Hotels; Motels
- 050 Housing (*Residential, Multi-Family; Apartments; Condominiums*)
- 051 Hydraulics & Pneumatics
- 052 Industrial Buildings, Manufacturing Plants
- 053 Industrial Processes; Quality Control
- 054 Industrial Waste Treatment
- 055 Interior Design; Space Planning
- 056 Irrigation; Drainage
- 057 Judicial and Courtroom Facilities
- 058 Laboratories; Medical Research Facilities
- 059 Landscape Architecture
- 060 Libraries; Museums; Galleries
- 061 Lighting (*Interiors; Display; Theatre, Etc.*)
- 062 Lighting (*Exteriors, Streets; Memorials; Athletic Fields, Etc.*)
- 063 Materials Handling Systems; Conveyors; Sorters
- 064 Metallurgy
- 065 Microclimatology; Tropical Engineering
- 066 Military Design Standards
- 067 Mining & Mineralogy
- 068 Missile Facilities (*Silos; Fuels; Transport*)
- 069 Modular Systems Design; Pre-Fabricated Structures or Components
- 070 Naval Architecture; Off-Shore Platforms
- 071 Nuclear Facilities; Nuclear Shielding
- 072 Office Buildings, Industrial Parks
- 073 Oceanographic Engineering
- 074 Ordnance; Munitions; Special Weapons
- 075 Petroleum Exploration; Refining
- 076 Petroleum and Fuel (*Storage and Distribution*)
- 077 Pipelines (*Cross-Country - Liquid & Gas*)
- 078 Planning (*Community, Regional, Area-wide and State*)
- 079 Planning (*Site, Installation, and Project*)
- 080 Plumbing & Piping Design
- 081 Pneumatic Structures; Air-Support Buildings
- 082 Postal Facilities

- 083 Power Generation, Transmission, Distribution
- 084 Prisons & Correctional Facilities
- 085 Product, Machine & Equipment Design
- 086 Radar; Sonar; Radio & Radar Telescopes
- 087 Railroad; Rapid Transit
- 088 Recreation Facilities (*Parks, Marinas, Etc.*)
- 089 Rehabilitation (*Buildings; Structures, Facilities*)
- 090 Resource Recovery; Recycling
- 091 Radio Frequency Systems & Shieldings
- 092 Rivers; Canals; Waterways;
- 093 Flood Control
- 093 Safety Engineering; Accident Studies; OSHA Studies
- 094 Security Systems; Intruder & Smoke Detection
- 095 Seismic Designs & Studies
- 096 Sewage Collection, Treatment and Disposal
- 097 Soils & Geologic Studies, Foundations
- 098 Solar Energy Utilization
- 099 Solid Wastes; Incineration, Land Fill
- 100 Special Environments; Clean Rooms, Etc.
- 101 Structural Design; Special Structures
- 102 Surveying, Platting, Mapping, Flood Plain Studies
- 103 Swimming Pools
- 104 Storm Water Handling & Facilities
- 105 Telephone Systems (*Rural; Mobile; Intercom, Etc.*)
- 106 Testing & Inspection Services
- 107 Traffic & Transportation Engineering
- 108 Towers (*Self-Supporting & Guyed Systems*)
- 109 Tunnels & Subways
- 110 Urban Renewal; Community Development
- 111 Utilities (*Gas & Steam*)
- 112 Value Analysis, Life-Cycle Costing
- 113 Warehouses & Depots
- 114 Water Resources; Hydrology, Ground Water
- 115 Water Supply, Treatment and Distribution
- 116 Wind Tunnels, Research; Testing Facilities Design
- 117 Zoning, Land Use Studies

HYDROGRAPHIC SURVEYS

201
202
203
204
205

10. Profile of Firm's Project Experience, Last 5 Years

Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)
1) 002	16	104	11) 072	12	240	21) 102	3500	3000	31) 102	3500	3000
2) 005	5	150	12) 078	13	104	22) 104	500	1000	32) 104	500	1000
3) 012	4	30	13) 079	18	144	23) 107	2	6	33) 107	2	6
4) 017	20	500	14) 083	8	160	24) 109	2	10	34) 109	2	10
5) 025	2	35	15) 087	17	68	25) 114	2	6	35) 114	2	6
6) 033	5	15	16) 088	7	35	26) 115	3	11	36) 115	3	11
7) 042	2	4	17) 092	3	12	27) 117	13	65	37) 117	13	65
8) 046	200	850	18) 096	1000	900	28) 201	20	145	38) 201	20	145
9) 050	1200	1800	19) 097	4	15	29) 201					
10) 054	11	66	20) 099	3	30	30) 201					

11. Project Examples, Last 5 Years

Profile Code	"P", "C", "JV", or "IE"	Project Name and Location	Owner Name and Address	Cost of Work (in thousands)	Completion Date (Actual or Estimated)
002	JV	1 Pilgrim Station (Nuclear) Plymouth, MA	Boston Edison Co. 800 Boylston St. Boston, MA	25 (fee)	5/76
005	P	2 Martha's Vineyard Airport Vineyard Haven, MA	Martha's Vineyard Airport Commission Vineyard Haven, MA 02568	1000	5/75
007	P	3 So. Weymouth Naval Air Station MA	Commanding Officer, Northern Division Naval Facility Engineering Command Philadelphia, PA 19112	260	3/77
012	P	4 St. Joseph's Cemetery W. Roxbury, MA	Holyhood Cemetery Assoc. 990 LaGrange St. W. Roxbury, MA	120	1980
017	P	5 Endicott Plaza Danvers, MA	Mid-Continental Construction Co. 230 Park Ave. New York, NY 10017	1600	1975
025	P	6 Silver Lake Acres Halifax, MA	Halifax Country Club Plymouth St. Halifax, MA 02338	16	3/75
033	P	7 208 Study (EPA) Southeastern Massachusetts	Southeastern Regional Planning & Economic Development District 7 Barnabas Rd., Marion, MA 02738	9	3/76

044	046	P	9	Martha's Vineyard Airport Access Road	Martha's Vineyard Airport Commission Vineyard Haven, MA 02568	70 (fee)	5/75
046	046	C	10	Planned Unit Development Stoughton, MA (300 units)	The Carlson Corporation 321 Commonwealth Road Cohituate, MA 01778	1200	1975
050	050	P	11	Plymouth Landing Plymouth, MA (870 units P.U.D.)	Rhode Island Land Co. 908 Hospital Trust Bldg Providence, RI 02903	3600	1977
054	054	P	12	Ludlow Specialty Papers Ware, MA	Ludlow Corporation 145 Rosemary St. Needham, MA 02194	5 (fee)	continues
072	072	P	13	Digital Park Maynard, MA	Digital Equipment Corporation Parker St. Maynard, MA 01754	800	1973
078	078	P	14	Municipal Planning Action Boxborough, MA	Planning Board, Town Hall Boxborough, MA		continues
079	079	P	15	Master Planning Nashua/Manchester, NH	Digital Equipment Corp. Parker St. Maynard, MA 01754	21 (fee)	5/76
081	081	P	16	16 Miles Transmission Line Braintree-Walpole, MA	Boston Edison Co. 1165 Massachusetts Ave. Boston, MA 02125	10 (fee)	1972
087	087	P	17	Freight Street Yard Waterbury, CT	Penn Central Transportation Co. South Station Foston, MA	0 (fee)	8/75
089	089	P	18	Captain Fowler's Marina Revere, MA	Captain Fowler's Marina 22 Whittin Ave. Revere, MA	8 (fee)	1975
092	092	P	19	Heath Hen Meadow Brook Stow, MA	Conservation Commission Town Hall Stow, MA 01775	0 (fee)	5/75

096	P	20	Sewage Treatment Plant Plymouth, MA (100,000 gpd)	Dusco, Inc. 127 Mt. Auburn St. Cambridge, MA 02138	1000	1977
097	JV	21	Logan Airport Boston, MA	National Car Rental System 5501 Green Valley Drive Minneapolis, MN 55437	11	5/76
099	P	22	Sanitary Landfill Halifax, MA	Town of Halifax Town Hall Halifax, MA 02338	15	1974
102	P	23	Ferncroft Village (400 Ac) Danvers, Middleton, Topsfield MA	Builders Investment Group P.O. Box 848, Irwin Bldg. 460 N. Gulph Rd. Valley Forge, PA 19482	34	5/76
109	P	24	MBTA Tunnel Survey Boston, MA	Cabot, Cabot & Forbes 28 State St. Boston, MA 02109	8	1974
117	P	25	Beaver Valley Land Use Study Boxborough, MA (1000 Ac)	Planning Board Town Hall Boxborough, MA 01719	6 (fee)	7/76
102	P	26	Readville Yards 11 Acres, R/W Surveys	Conrail 466 Lexington Ave. New York, NY 10017	15	1978
102	JV	27	U.S. Constitution Park Aerial Mapping	National Park Service 15 State St. Boston, MA 02109	20	1977
102	P	28	High Water Marks along 70 miles of 3 Rivers Eastern Massachusetts	Corps of Engineers 424 Trapelo Road Waltham, MA 02154	25	1979
102	P	29	Bldg. 42 - Charlestown Navy Yard Geodetic, Topographic, Utility Survey	Boston Redevelopment Authority City Hall Boston, MA 02201	100	on going
201	P	30	Hydrographic condition surveys Marine, Mass., R.I. Ct.	Corps of Engineers 424 Trapelo Road Waltham, MA	110	1979
12 The foregoing is a statement of facts Signature: <i>G. H. Greulich</i>				Typed Name and Title	Date	
				Gunther Greulich, Exec. V.P.		

NORMAN A. ABEND

TRAFFIC AND TRANSPORTATION CONSULTANT

304 CONCORD ROAD, WAYLAND, MASS. 01778

617-358-7095

Education

Georgia Institute of Technology, B.S.C.E., 1953

Cornell University, M.S., 1954

Yale Bureau of Highway Traffic, Graduate, 1957

Associate Positions

Partner, The Planning Services Group, Cambridge, Massachusetts, to 1962

Transportation Project Director, Edwards & Kelcey, Boston, Mass., 1962-64

Assistant Director of Research, Boston University Urban Institute, 1966-72

Adjunct Associate Professor, University of New Hampshire, 1974-75

Publications

"Indonesian Air Transport Policy" (with Albert J. Gomes),
Proceedings, Transportation Research Forum, November, 1976

"The Urban Environment," Exploring Urban Problems,
The Urban Press, Boston, Massachusetts, 1971

Bureaucrats in Collision: Intergovernmental Relations in Area Transportation
Planning (with Melvin R. Levin), M.I.T. Press, April, 1970

"Transportation Inputs for New Town Planning," Traffic Quarterly,
Eno Foundation, April, 1969

"The Boston Regional Survey," Traffic Quarterly, Eno Foundation,
April, 1963

"Postcard Parking Survey," Traffic Engineering,
Institute of Traffic Engineers, November, 1954

Professional Societies

Institute of Transportation Engineers
National Society of Professional Engineers
Transportation Research Forum

Registered Professional Engineers

Member, ITE Committee 6Y10:

Increasing Transit Use in Small Urban Areas

EXPERIENCE

Mr. Abend is an independent consultant specializing in the areas of transportation planning and management, and traffic engineering. He provides high quality, high level services in those situations where the use of a large consulting firm or additional staff would be inappropriate or inefficient.

As a transportation consultant for over 20 years, Mr. Abend is experienced in all facets of his work. Consulting activities include supervising others, writing technical reports, testifying as an expert witness, representing clients at regulatory hearings, preparing final plans and specifications for traffic improvements, conceptual planning and directly advising clients. Although much of the work he has undertaken has been geographically located in New England, he often becomes involved with projects in distant locations where the work is of particular interest and where close coordination with other people can be achieved.

In addition to providing the normal types of consulting services, he frequently functions in a support role for large organizations. The list of clients in this category includes many architectural, planning, engineering, real estate and management companies, state agencies and local governments that he serves in the capacity of consultant or staff expert. When acting in this role of support person for large organizations, Mr. Abend has functioned as staff transportation planner, project director, "native guide" and "over-the-shoulder" advisor to top management dealing with transportation and land use problems.

When a project requires the use of support personnel for limited periods of time, the work is personally supervised so that firsthand knowledge of procedures and results is obtained. Actual performance of technical tasks enhances the quality of testimony and presentations that are made.

As a result of these varied assignments and work situations, Mr. Abend is skilled in adapting quickly to working harmoniously with public and private clients and specialists under a wide variety of administrative arrangements. He is able to work effectively with permanent staff and with other consultants to the client.

PROFESSIONAL CLIENTS

The Architects Collaborative, Cambridge, Massachusetts
Ben Thompson Associates, Cambridge, Massachusetts
Charles E. Downe & Associates, Planners, Newton, Massachusetts
Moriece & Gary, Landscape Architects, Cambridge, Massachusetts
Symmes, Maini & McKee, Architects & Engineers, Cambridge, Massachusetts
Kallstrom & Anderson, Landscape Architects, Belmont, Massachusetts
Lee Pare & Associates, Providence, Rhode Island
McCarthy Engineering Company, Natick, Massachusetts
Checchi & Company, Management Consultants, Washington, D.C.
Cambridge Seven Associates, Architects, Cambridge, Massachusetts
Sheridan, Garrahan & Lander, Attorneys, Framingham, Massachusetts
Wallace Floyd Ellenzweig Moore, Architects, Cambridge, Massachusetts
Charles G. Hilgenhurst & Associates, Architects, Boston, Massachusetts
Mason & Frey, Landscape Architects, Belmont, Massachusetts
Monacelli & Associates, Architects, Cambridge, Massachusetts
Grayson Associates, Architects & Designers, Belmont, Massachusetts
Skidmore, Owings & Merrill, Architects, Boston, Massachusetts
Hugh Stubbins & Associates, Architects, Cambridge, Massachusetts
Vision, Inc., Urban Designers, Cambridge, Massachusetts
Ronald Axelrod Associates, Planners & Architects, Cambridge, Massachusetts
Boston Survey Consultants, Engineers & Planners, Boston, Massachusetts

REPRESENTATIVE LIST OF PRIVATE CLIENTS SERVED

Transportation Planning, Land Use and Development

Winmar Company (Safeco Insurance Company), Braintree, Massachusetts
North Shore Shopping Center, Peabody, Massachusetts
Jordan Marsh Company, Boston, Massachusetts
Loews' Theaters and Hotels, New York, New York
Federated Department Stores, Cincinnati, Ohio
IBM Corporation, Components Division, East Fishkill, New York
Sanders Associates, Nashua, New Hampshire
Mobil Oil Company, Boston, Massachusetts
Sears, Roebuck & Company, Eastern Division, Philadelphia, Pennsylvania
Dennison Manufacturing Company, Framingham, Massachusetts
Kaufman & Broad, New England Office, Wellesley, Massachusetts
A. J. Lane Construction Company, Southborough, Massachusetts
GTE Sylvania Electronic Systems Group, Needham, Massachusetts
Perini Development Corporation, Framingham, Massachusetts
New England Tel. & Tel. Company, Boston, Massachusetts
State Properties of New England, Newton, Massachusetts
Medical Area Service Corporation (MASCO), Boston, Massachusetts
Filene's Department Stores, Boston, Massachusetts
New England Deaconess Hospital, Boston, Massachusetts
McDonald's Corporation, Regional Office, Westwood, Massachusetts
Harvard Cooperative Society, Cambridge, Massachusetts
Bloomingdale's Department Store, New York, New York
Raytheon Corporation, Equipment Division, Sudbury, Massachusetts
First National Bank of Boston, Boston, Massachusetts
Urban Investment & Development Co. (Aetna Ins. Co.), Chicago, Illinois
Heritage Foundation, Washington, D.C.
Boston Properties, Inc., Boston, Massachusetts
Victoria Station Restaurants, San Francisco, California
Harvard Trust Company, Cambridge, Massachusetts
Framingham Union Hospital, Framingham, Massachusetts
Merit Oil Company, Manchester, New Hampshire
Angelos Super Markets, Inc., Rockland, Massachusetts
Nuclear Metals, Inc., Concord, Massachusetts
Huntington Place Consortium (Museum of Fine Arts, Northeastern University,
Wentworth Institute), Boston, Massachusetts

1. Project Name / Location for which Firm is Filing
South Station Transportation Center -
Bus Terminal
Boston, Massachusetts

2. Firm's Name
Daily Announcement
Date, if any:

3. Agent's Name
Number, if any:

FORM (SF)
255
Architect-Engineer
Related Services
for Specific
Project

3. Firm (or Joint-Venture) Name & Address

Jung/Brannen Assoc. Inc.
177 Milk Street
Boston, MA. 02109

3a. Name, Title & Telephone Number of Principal to Contact

Yu Sing Jung, President
482-2299

3b. Address of office to perform work, if different from Item 3

4. Personnel by Discipline:

- | | | |
|-------------------------|----------------------|----------------------------|
| 8 Administrative | Electrical Engineers | Oceanographers |
| 19 Architects | Estimators | 1 Planners: Urban/Regional |
| Chemical Engineers | Geologists | Sanitary Engineers |
| Civil Engineers | Hydrologists | Soils Engineers |
| Construction Inspectors | 2 Interior Designers | 1 Specification Writers |
| 30 Draftsmen | Landscape Architects | Structural Engineers |
| Ecologists | Mechanical Engineers | Surveyors |
| Economists | Mining Engineers | Transportation Engineers |
| | | 61 Total Personnel |

5. If submittal is by Joint-Venture list participating firms and outline specific areas of responsibility (including administrative, technical and financial) for each firm:
(Attach SF 254 for each if not on file with Procuring Office.)

5a. Has this Joint-Venture previously worked together? ☐ yes ☐ no

6. Outside Key Consultants/Associates Anticipated for this Project (Attach SF 254 for Consultants/Associates Listed, if not already of file with the Procuring Office)

Name & Address	Specialty	Worked with Prime before (Yes or No)
1) Tsiang Engineering Inc. 430 Lexington Street Auburndale, MA.	Structural Engineering	Y
2) Lev Zetlin & Associates Inc. 131 State Street Boston, MA. 02109	Mechanical Engineering	Y
3) Boston Survey Consultants 263 Summer Street Boston, MA.	Survey and Civil Engineering	Y
4) Norman A. Abend 304 Concord Road Wayland, MA. 01778	Traffic and Transportation	Y
5) Thompson & Lichtner Co., Inc. 8 Alton Place Brookline, MA.	Materials Consultant	Y
6)		
7)		
8)		

UAL EMPLOYMENT OPPORTUNITY OFFICER	POSITION	MINORITY OWNERSHIP
Ray C. Bump, Jr.	Executive V.P.	43%

JOB CATEGORIES	TOTAL EMPLOYEES		TOTAL MINORITIES		NEGRO		ORIENTAL		AMERICAN INDIAN		SPANISH SURNAMED AMERICAN		APPRENTICES		OTHER
() PRINCIPALS	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M
Architects	3	0	1				1								
Engineers															
() OTHER PERSONNEL															
Architects	15	1	2	1			1				1				
Landscape Architects															
Planners															
Civil Engineers															
Structural Engineers															
Sanitary Engineers															
Mechanical Engineers															
Electrical Engineers															
Craftsmen	23	7	2	6			2	1							
Specification Writers															
Estimators															
Inspectors															
Surveyors															
Merical	2	7		7			1								
Space Planning and Interiors	2	1													
TOTAL	45	16	5	14			4	2			1				

Additional job categories may be listed in blank spaces if needed.

Date: September 5, 1979

7. Brief History of Key Persons, Specialists, and Individual Consultants Anticipated for this Project

a. Name & Title:

Yu Sing Jung, President

b. Project Assignment:

Principal - in - charge

c. Name of Firm with which associated:

Jung/Brannen Assoc. Inc.

d. Years experience: With This Firm 11

With Other Firms 11

e. Education: Degree(s) / Year / Specialization

M Arch., Massachusetts Institute of Technology -1962
B Arch., University of Toronto -1955

f. Active Registration: Year First Registered/Discipline

NCARB, Mass. Me. N.Y., Ontario, Canada
Connecticut

1972/Arch.

g. Other Experience and Qualifications relevant to the proposed project:

Principal in Charge:

Pentagon City, Arlington, VA.
Boston University Campus Development
Massport - Commonwealth Pier
MBTA - Roxbury Station (Southwest Corridor)
Fort Point Channel Development, Boston
Lewey Square Office Building, Boston

a. Name & Title:

Ray C. Lump, Sr., Exec. Vice President

b. Project Assignment:

Construction Inspection

c. Name of Firm with which associated:

Jung/Brannen Assoc. Inc.

d. Years experience: With This Firm 11

With Other Firms 20

e. Education: Degree(s) / Years / Specialization

B. Arch., Cornell University - 1949

f. Active Registration: Year First Registered/Discipline

NCARB, Ky, Ct., Me, N.Y., N.C.
Mass.

1957/Arch.

g. Other Experience and Qualifications relevant to the proposed project:

Repair and Maintenance Facilities for U.S. Navy
Boston Naval Shipyard; Portsmouth Naval Shipyard
Greater Lawrence Wastewater Treatment Facilities
Lawrence, Mass.
Wastewater Treatment Facility, Niagara, N.Y.
Light Manufacturing Facilities - Rockland, MA.
- Watertown, MA.

7. Personal K67 persons, specialists, and individual Consultants Anticipated for this Project

<p>a. Name & Title: Robert Y.C. Hsiung, Vice President</p> <p>b. Project Assignment: Project Designer</p>	<p>a. Name & Title: Austin Rasco, Vice President</p> <p>b. Project Assignment: Project Architect</p>
<p>c. Name of Firm with which associated: Jung/Brannen Assoc. Inc.</p>	<p>c. Name of Firm with which associated: Jung/Brannen Assoc. Inc.</p>
<p>d. Years experience: With This Firm 6-- With Other Firms --11</p>	<p>d. Years experience: With This Firm --11 With Other Firms 6--</p>
<p>e. Education: Degree(s) / Year / Specialization M. Arch., Mass. Inst. of Technology 1962 B. Arch., Univ. of Illinois 1959</p>	<p>e. Education: Degree(s) / Years / Specialization B. Arch., Auburn Univ. - 1959</p>
<p>f. Active Registration: Year First Registered/Discipline NCARB, Mass. 1967/Arch</p>	<p>f. Active Registration: Year First Registered/Discipline NCARB, Mass. Alabama -1967/Arch.</p>
<p>g. Other Experience and Qualifications relevant to the proposed project: Rental Office Buildings - Woburn, Ma. Wellesley, Ma. Boston, Ma. Laboratory Buildings - Rochester, N.Y. Boston, Ma. Andover, Ma. Branch Bank System - Florida Light Manufacturing Building - Leominster, Ma. - Watertown, Ma. - Rockland, Ma. Concert Hall - Baltimore, MD.</p>	<p>g. Other Experience and Qualifications relevant to the proposed project: Florida Federal Savings and Loan Association Branch bank system - prototype bldgs. under construction in Daytona, Tallahassee, Indian Rocks, Florida Greater Lawrence Wastewater Treatment Facilities Lawrence, MASS. Waste Water Treatment Facility Niagara, New York Performing Arts Center - Rutgers University Concert Hall - Baltimore, MD.</p>

7. Brief Resume of Key Persons, Specialists, and Individual Consultants Anticipated for this Project

<p>a. Name & Title:</p> <p>E. Crowley Cooper</p>	<p>a. Name & Title:</p> <p>Richard J. Keleher</p>
<p>b. Project Assignment:</p> <p>Technical Coordinator & Specifications</p>	<p>b. Project Assignment:</p> <p>Job Captain</p>
<p>c. Name of Firm with which associated:</p> <p>Jung/Brannen Assoc. Inc.</p>	<p>c. Name of Firm with which associated:</p> <p>Jung/Brannen Assoc. Inc.</p>
<p>d. Years experience: With This Firm. 1 With Other Firms 20</p> <p>e. Education: Degree(s) / Year / Specialization</p> <p>M. Arch., Mass. Institute of Technology 1959</p> <p>B. Arch., Univ. of Cincinnati 1957</p>	<p>d. Years experience: With This Firm 3 months With Other Firms 12</p> <p>e. Education: Degree(s) / Years / Specialization</p> <p>B. Arch., Rhode Island School of Design 1967</p>
<p>f. Active Registration: Year First Registered/Discipline</p> <p>NCARB; Mass., Wash. D.C., Texas</p>	<p>f. Active Registration: Year First Registered/Discipline 1971/Arch. Mass.</p>
<p>g. Other Experience and Qualifications relevant to the proposed project:</p> <p>Cumberland County Civic Center, Portland, ME</p> <p>Springfield Civic Center, MA.</p> <p>Baystate West - (Office/hotel/retail/parking)</p> <p>Cambridge High School, MA.</p>	<p>g. Other Experience and Qualifications relevant to the proposed project:</p> <p>Project architect on over eleven million dollars' worth of construction for the Massachusetts Bay Transportation Authority, including the new Boylston Street/Jamaica Plain Station, the new light rail vehicle repair facility at Cleveland Circle, the modernization of Auditorium, Reservoir and Boston College Stations and Green Line Highland Branch improvements.</p>

8 Work by Firm or Joint Venture Members which Best Illustrates Current Qualifications Relevant to this Project (List not more than 10 Projects)

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Owner's Name & Address	d. Completion Date (actual or estimated)	e. Estimated Cost (in thousands)	
				Entire Project	Work for which Firm was/is responsible
(1) Commonwealth Pier 5	Development Study	Massport	1978		
Commonwealth Pier	Renovation to existing progress. So. Boston	Massport	1979		
(1) Commonwealth Pier	Foreign Trade Zone	Massport	1979		
(1) EDIC Bldg. 32 Boston Marine Industrial Park	Analysis and recommendations re upgrading of building.	Massport	1978		
(5) Fort Point Channel 33 Acks	Urban Development Studies	Town & City Properties Boston, MA.	on-going		
(1) Campus Development	Overall plan and landscape improvements in relation to existing and expansion of campus	Boston University	1978		
Pentagon City Arlington, VA.	9,000,000 s.f. of mixed use development within WMATA system.	Rose Associates N.Y., N.Y.	On-going		
Roxbury Crossing Station	Architect in J/v for design & construction	M.B.T.A.	1983	3,250,	35% archtl.
Dewey Square, Boston 30 Story Office Building	Architectural design services	Rose Associates N.Y., N.Y.	on-Going	30,000	
(1) Revere Beach, MA. Development Studies	Housing Projects 600 units	Alba Corp. Chelsea, MA.	On-going		

10 Use this space to provide any additional information or description of resources supporting your firm's qualifications for the proposed project

Jung/Brannen Associates, Inc. since its inception in 1968 has constantly striven to develop means by which good buildings can evolve from a simple, direct approach to a design solution. Nine years of this effort has produced a planning and construction methodology applicable to almost any type of building. Our team has considerable experience in projects of this nature and in coordination of effort with other Architects and Engineers.

Our design capabilities for any building type are unquestioned and we have been granted the following awards:

AISC Architectural Award of Excellence, 1970; Wellesley Office Park, Building No. 4, Wellesley, MA.

Record Houses and Apartments: Multi-Family, 1973; Pine Grove Suburban Apartments, Brockton, MA.

American Plywood Association First Award Residential/Multi-Family, 1974; Turnkey Student Housing, Brandeis University, Waltham, MA.

New England Regional Council of A.I.A. Award, 1974; Wellesley Office Park, Building No. 5, Wellesley, MA.

HUD Design Award, 1974; Water Treatment Facility, Andover, MA.

New England Regional Council of A.I.A. Award, 1975, Maine Savings Plaza, Portland, Maine

New England Regional Council of A.I.A. Award, 1977, Bay State Apartments

Members of our organization have at various times in their professional careers gained experience in providing repair and maintenance facilities for the U.S. Navy; hundreds of thousands of square feet of office space; 2,880 units of housing and much more. We are currently associating with other architects to design the new Roxbury Crossing Station for the MBTA, Southwest Corridor project and a member of the Frederic Harris Team.

We are happy to furnish client references for your use in determining our capacity to deliver work on time and within the budget.

11. The foregoing is a statement of facts.

Signature

Ray C. Bump, Jr.

Typed Name and Title: Ray C. Bump, Jr., Exec. V.P.

Date:

9.6.79

8 Work by Firm or Joint Venture Members which Best Illustrates Current Qualifications Relevant to this Project (List not more than 10 Projects)

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Owner's Name & Address	d. Completion Date (actual or estimated)	e. Estimated Cost (in thousands)	
				Entire Project	Work for which Firm was/is responsible
(1) South Braintree M.B.T.A. Garage South Braintree, MA	Structural Engineer	Massachusetts Bay Transportation Authority Boston, Massachusetts	1979	6,000	4,200
(2) Park Street M.B.T.A. Renovations Boston, Massachusetts	Structural Engineer	Massachusetts Bay Transportation Authority Boston, Massachusetts	1978	4,200	500
(3) Control Tower Logan Airport Boston, Massachusetts	Structural Engineer	Massachusetts Port Authority East Boston, Massachusetts	1974	6,000	3,000
(4) Oak Grove M.B.T.A. Station Melrose, Massachusetts	Structural Engineer	Massachusetts Bay Transportation Authority Boston, Massachusetts	1976	3,000	1,200
(5) Wonderland M.B.T.A. Station Revere, Massachusetts	Structural Engineer	Massachusetts Bay Transportation Authority Boston, Massachusetts	1982	12,000	7,000
(6) John Hancock Place Garage Boston, Massachusetts	Co-Principal and Structural Engineer	John Hancock Mutual Life Insurance Company Boston, Massachusetts	1973	18,000	18,000
(7) Central Parking Facility Logan International Airport East Boston, Massachusetts	Structural Engineer	Massachusetts Port Authority East Boston, Massachusetts	1971	12,000	8,000
(8) International Terminal Logan International Airport East Boston, Massachusetts	Structural Engineer	Massachusetts Port Authority East Boston, Massachusetts	1975	23,000	5,000
(9) Finger Piers B and C Logan International Airport East Boston, Massachusetts	Structural Engineer	Massachusetts Port Authority East Boston, Massachusetts	1969	6,500	2,000
(10) Logan Roadway Logan International Airport East Boston, Massachusetts	Structural Engineer	Massachusetts Port Authority East Boston, Massachusetts	1967	5,000	10,000

9. All work by firms or Joint Venture members currently being performed directly for Federal agencies **

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Agency (Responsible Office) Name & Address	d. Percent complete	e. Estimated Cost (In Thousands)	
				Entire Project	Work for which firm is responsible
Royal Saudi Arabia Naval Academy Jubail, Saudi Arabia	Structural Engineering Master Planning Phase	The Architects Collaborative/ U.S. Army Corps of Engineers Washington, D.C.	20%	NOT DETERMINED 100,00+	
South Postal Annex Renovations Boston, Massachusetts	Structural Engineer of Record	Perry, Dean, Stahl & Rogers/ U.S. Postal Service, Washington, D.C.	100%	15,000	1500
South Postal Annex Addition Boston, Massachusetts	Structural investigations of Floor Systems and other Structural Elements	Fuller Constr-Ralph M. Parsons Co./U.S. Postal Service, Washington, D.C.	100%	-	-
Human Nutrition Center Boston, Massachusetts	Structural Engineer of Record	Shepley, Bulfinch, Richardson & Abbott/ U.S. Dept. of Agriculture, Beltsville, Md.	70%	20,000	4000
Worcester Post Office Worcester, Massachusetts	Structural Investigation of Roof Collapse	U.S. Postal Service, New England Region, Lexington, Mass.	100%	-	-

** Work Performed as Subconsultants to Architects directly responsible to Federal Agencies

1. Project Name / Location for which Firm is Filing:

2a. Commerce Business
Daily Announcement
Date, if any:2b. Agency Identification
Number, if any:

3. Firm (or Joint-Venture) Name & Address

Tsiang Engineering Inc.
430 Lexington Street
Auburndale, MA 02166

3a. Name, Title & Telephone Number of Principal to Contact

Donald C. Tsiang, President (6-7) 332-0418

3b. Address of office to perform work, if different from Item 3

4. Personnel by Discipline:

___ Administrative
___ Architects
___ Chemical Engineers
___ Civil Engineers
___ Construction Inspectors
___ 2 Draftsmen
___ Ecologists
___ Economists

___ Electrical Engineers
___ Estimators
___ Geologists
___ Hydrologists
___ Interior Designers
___ Landscape Architects
___ Mechanical Engineers
___ Mining Engineers

___ Oceanographers
___ Planners: Urban/Regional
___ Sanitary Engineers
___ Soils Engineers
___ Specification Writers
___ 1 Structural Engineers
___ Surveyors
___ Transportation Engineers

___ 3 Total Personnel

5. If submittal is by Joint-Venture list participating firms and outline specific areas of responsibility (including administrative, technical and financial) for each firm:
(Attach SF 254 for each if not on file with Procuring Office.)

5a. Has this Joint-Venture previously worked together? ☐ yes ☐ no

a. Name & Title: Donald C. Tsiang, Structural Engineer

b. Project Assignment: Consulting Structural Engineer

c. Name of Firm with which associated: Tsiang Engineering Inc.

d. Years experience: With This Firm 8- With Other Firms 15

e. Education: Degree(s) / Year / Specialization
B.S., 1956, Building Construction
M.S., 1960, Structural Engineering

f. Active Registration: Year First Registered/Discipline
1961 Structural

g. Other Experience and Qualifications relevant to the proposed project:

Structural consultant on housing, commercial, schools, churches, and industrial buildings of which the total construction cost varies from \$50,000 to \$38,000,000.

a. Name & Title:

b. Project Assignment:

c. Name of Firm with which associated:

d. Years experience: With This Firm --- With Other Firms ---

e. Education: Degree(s) / Years / Specialization

f. Active Registration: Year First Registered/Discipline

g. Other Experience and Qualifications relevant to the proposed project:

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Owner's Name & Address	d. Completion Date (actual or estimated)	e. Estimated Cost (in thousands)		Work for which Firm was/is responsible
				Entire Project		
(1) Naval War College Newport, RI	Consulting Structural Engineering	U. S. Navy	1974	2,400		
(2) Brigham Middle School Providence, RI	Consulting Structural Engineering	City of Providence Providence, RI	1976	4,100		
(3) Arverne Housing Queens, N.Y. New York	Consulting Structural Engineering	UDC New York, New York	1975	38,000		
(4) Elmwood Park Plaza Detroit, Michigan	Consulting Structural Engineering	Elmwood Park Co. Detroit, Michigan	1974	6,500		
(5) Cobble Hill Housing Somerville, MA	Consulting Structural Engineering	Oxford Development Corp. Boston, MA	1980	15,000		
(6) Claremont Housing for the Elderly Claremont, NH	Consulting Structural Engineering	Senior Citizens Housing Development Corp. of Claremont, NH	1979	2,700		
(7) Bolton North Apartments Baltimore, Maryland	Consulting Structural Engineering	Oxford Development Corp. Boston, MA	1977	4,500		
(8) Data Precision Corp. Building Danvers Industrial Park	Consulting Structural Engineering	Data Precision Corp. Danvers, MA	1978	1,200		
(9) Taurus At Fountain Hill Roxbury, MA	Consulting Structural Engineering	Taurus At Fountain Hill Association Mattapan, MA	1980	3,000		
(10) RI Health Laboratory Providence, RI	Consulting Structural Engineering	H.E.W., RI	1978	3,800		

<p>a. Name & Title:</p> <p>FRANK H. FOSTER, JR. VICE PRESIDENT</p>	<p>a. Name & Title:</p>
<p>b. Project Assignment:</p> <p>PRINCIPAL-IN-CHARGE</p>	<p>b. Project Assignment:</p>
<p>c. Name of Firm with which associated:</p> <p>LEV ZETLIN ASSOCIATES, INC.</p>	<p>c. Name of Firm with which associated:</p>
<p>d. Years experience: With This Firm <u>5</u> With Other Firms <u>25</u></p>	<p>d. Years experience: With This Firm ____ With Other Firms ____</p>
<p>e. Education: Degree(s) / Year / Specialization</p> <p>NORTHEASTERN UNIVERSITY, BOSTON, MASS 1952, ELECTRICAL ENGINEERING, B.S.</p>	<p>e. Education: Degree(s) / Years / Specialization</p>
<p>f. Active Registration: Year First Registered/Discipline</p> <p>P.E. 1959, MASSACHUSETTS</p>	<p>f. Active Registration: Year First Registered/Discipline</p>
<p>g. Other Experience and Qualifications relevant to the proposed project:</p> <p>MR. FOSTER'S EXPERIENCE IN ELECTRICAL/MECHANICAL PROGRAM COORDINATION, DESIGN AND CONTRACT DOCUMENTS RANGE FROM HOSPITALS, LABORATORIES, WAREHOUSES, SCHOOLS AND COMMERCIAL CENTERS, TO SPECIALIZED EXPERIENCE IN ENERGY USE ANALYSIS AND LIFE-CYCLE COSTING. PROJECTS HAVE RANGED IN COST FROM \$1,000,000 TO \$20,000,000. REPRESENTATIVE PROJECTS INCLUDE THE MECH/ELEC. DESIGN, COORDINATION AND CONTRACT DOCUMENTS FOR FIRMENICH LABORATORIES AND OFFICES IN PLAINSBORO, N.J., AS WELL AS ADMINISTRATION OF THE MECH/ELEC DESIGN FOR RENOVATIONS TO MALLINCKRODT PHYSICAL SCIENCE LABS AT HARVARD UNIVERSITY. LARGE ELECTRICAL INSTALLATIONS INCLUDE 8,000 KVA TRANSFORMERS FOR SALEM HIGH SCHOOL, MASS. AND 4,000 KVA PRIMARY DISTRIBUTION FOR BRISTOL COMMUNITY COLLEGE, MASSACHUSETTS</p>	<p>g. Other Experience and Qualifications relevant to the proposed project:</p>

7. Brief Resume of Key Persons, Specialists, and Individual Consultants Anticipated for this Project

LEV ZETLIN ASSOCIATES

a. Name & Title: DONALD M. HAIGES
ASSOCIATE

b. Project Assignment: PROJECT MANAGER - LZA CHIEF MECHANICAL ENGINEER

c. Name of Firm with which associated:
LEV ZETLIN ASSOCIATES, INC.

d. Years experience: With This Firm 5 With Other Firms 5

e. Education: Degree(s) / Year / Specialization
B OF ARCH. ENG., 1969, PENN STATE UNIVERSITY

f. Active Registration: Year First Registered/Discipline

P.E. NEW YORK #53585
P.E. MASS. #27760

g. Other Experience and Qualifications relevant to the proposed project:

- ANALYSIS AND RENOVATION OF MECH/PLMBG SYSTEMS FOR 7 VA HOSPITAL PLANTS IN NEW ENGLAND (OVER 120 BLDGS), LIFE-SAFETY, SEISMIC UPGRADING AND GENERAL RETROFITTING.

- DESIGN OF HEATING/VENTILATION/PLUMBING SYSTEMS FOR BRITISH PETROLEUM ALASKA NO. SLOPE PROJECT. INCLUDED STORAGE, PRODUCTION, OFFICE & MAINTENANCE FACILITIES CONSTRUCTED WITH MODULAR, INDUSTRIALIZED SYSTEMS.

- DESIGN OF HVAC AND PLUMBING SYSTEMS FOR U.S. CORPORATE HEADQUARTERS & LABS., FIRMENICH, INC.

- DESIGN OF HVAC & PLUMBING SYSTEMS FOR INDUSTRIALIZED FACILITIES AT G.E.'S APPLIANCE PARK IN BALTIMORE, MARYLAND.

- LOWELL HIGH SCHOOL REHAB, MASS.

a. Name & Title:

JOHN L. BRESNAHAN
SENIOR ENGINEER

b. Project Assignment:

CHIEF ELECTRICAL ENGINEER

c. Name of Firm with which associated:
LEV ZETLIN ASSOCIATES, INC.

d. Years experience: With This Firm 2 With Other Firms 20

e. Education: Degree(s) / Years / Specialization
COYNE ELECTRICAL & TECHNICAL SCHOOL
BOSTON ARCHITECTURAL CENTER

f. Active Registration: Year First Registered/Discipline

P.E. MASS. #24568

g. Other Experience and Qualifications relevant to the proposed project:

- VETERANS ADMIN., NEW ENGLAND SEISMIC STUDY - MECH. TEAM MEMBER ANALYZING LIFE-SAFETY & SUPPORT SYSTEMS FOR 7 VA NEW ENGLAND HOSPITAL STATIONS.

- MALLORY INSTITUTE, BOSTON CITY HOSPITAL, BOSTON, MASS - HOSPITAL RENOVATION FOR ANIMAL RESEARCH FACILITIES. DESIGN OF ELECTRICAL SYSTEMS AND CONSTRUCTION CONTRACT NEGOTIATIONS.

- U.S.COAST GUARD FACILITIES, BOSTON, MASS - CONDUCTED SURVEY OF EXISTING FACILITIES AND PREPARED MASTER PROPOSALS FOR EXPANDING AND UPDATING BASE FACILITIES.

- U.S.POSTAL SERVICE - ENERGY CONSERVATION STUDIES FOR EXISTING POSTAL FACILITIES IN VAN NUYS, CALIF & PORTLAND, OREGON. STUDY HAS BEEN FOLLOWED BY WORKING DRAWINGS AND ELECTRICAL IMPLEMENTATION OF RECOMMENDATIONS.

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Owner's Name & Address	d. Completion Date (actual or estimated)	e. Estimated Cost (in thousands)	Work for which Firm was/is responsible
SOUTH TERMINAL COMPLEX LOGAN INTERNATIONAL AIRPORT BOSTON, MASSACHUSETTS	CIVIL-STRUCTURAL	MASS PORT AUTHORITY HIGH STREET BOSTON, MASSACHUSETTS	1976	40,000	14,000
AERIAL TRAMWAY & STATIONS ROOSEVELT ISLAND TO MANHATTAN, NEW YORK	PRIME PROJECT INCLUDED SPECIAL EQUIPMENT, POWER AND SAFETY FEATURES ALL DISCIPLINES	NEW YORK STATION URBAN DEVELOPMENT CORPORATION NEW YORK, NEW YORK	1977	7,000	7,000
RENOVATIONS 17 STATIONS NORTHEAST CORRIDOR	DESIGN CRITERIA & PERFORMANCE SPECIFICATIONS CIVIL/UTILITIES/STRUC	UMTA OF DEPT OF TRANSPORTATION WASHINGTON, D.C.	1976	20,000	50,000
TERMINAL EXPANSION HOPKINS AIRPORT CLEVELAND, OHIO	STRUCTURAL-CIVIL	AMERICAN AIRLINES THIRD AVENUE NEW YORK, NEW YORK	1975	4,500	2,000
TRUCK & BUS STORAGE/ SERVICE CENTER BOSTON, MASSACHUSETTS	STRUCTURAL-CIVIL	CITY OF BOSTON BOSTON, MASSACHUSETTS	1977	10,000	5,000

1. Project Name / Location for which Firm is Filing

SOUTH STATION MTA

2a. Commerce Business
Daily Announcement
Date, if any:2b. Agency Identification
Number, if any:Jung-Brannen,
Architects

3. Firm (or Joint-Venture) Name & Address

Boston Survey Consultants, Inc.
263 Summer Street
Boston, Mass. 02210

3a. Name, Title & Telephone Number of Principal to Contact

Guntler Grenlich, PE, RLS
(617) 426-8864

3b. Address of office to perform work, if different from item 3

4. Personnel by Discipline:

8 Administrative

Architects

15 Chemical Engineers

2 Civil Engineers

2 Construction Inspectors

1 Draftsmen

1 Ecologists

1 Economists

Electrical Engineers

Estimators

Geologists

Hydrologists

Interior Designers

Landscape Architects

Mechanical Engineers

Mining Engineers

Oceanographers

2 Planners: Urban/Regional

2 Sanitary Engineers

1 Soils Engineers

Specification Writers

Structural Engineers

Surveyors

Transportation Engineers

Total Personnel (Firm)

5. If submittal is by Joint-Venture list participating firms and outline specific areas of responsibility (including administrative, technical and financial) for each firm
(Attach SF 254 for each if not on file with Procuring Office.)Engineering Surveys
Monitoring of Structures
Alignment and Settlement Studies5a. Has this Joint-Venture previously worked together? ☒ yes ☐ no

a. Name & Title

Gunther H. Greulich, PE, RLS

b. Project Assignment

Principal-in-Charge

c. Name of Firm with which associated:

Boston Survey Consultants, Inc.

d. Years experience: With This Firm 14

With Other Firms: 15

e. Education: Degree(s) / Year / Specialization

Ingenieur/1949/Surveying and Mapping
(Tiefbau)/1950/Civil Engineering

d. Years experience: With This Firm 14 With Other Firms

e. Education: Degree(s) / Years / Specialization

f. Active Registration: Year First Registered/Discipline

1958 RLS, 1975 PE (Civil)
1976 Certified Photogrammetrist ASP

f. Active Registration: Year First Registered/Discipline

g. Other Experience and Qualifications relevant to the proposed project:

Is registered in seven states and has performed and directed all types of surveys since 1950. Is engineering consultant to towns in Massachusetts and New Hampshire. Is contributing editor (engineering) to the New England Real Estate Journal. Has appeared in court as expert witness on land and engineering matters.

g. Other Experience and Qualifications relevant to the proposed project:

Has been in charge of and responsible for R.O.W. surveys for Algonquin Gas Transmission Co., Boston Edison Co., New England Power Co., Penn Central Transportation Co., and Massachusetts Bay Transportation Company.

a. Name & Title

Donald J. Forand

b. Project Assignment

Survey Supervisor and Office Manager

c. Name of Firm with which associated

Boston Survey Consultants, Inc.

d. Years experience: With This Firm 7

With Other Firms 4

e. Education: Degree(s) / Year / Specialization

BSCE/1973/Civil Engineering

f. Active Registration: Year First Registered/Discipline

C.I.T. 1973

g. Other Experience and Qualifications relevant to the proposed project:

Has performed field and office work on property line surveys, land court registration and land court subdivisions for several years. Has done record research and many computations on LGP21 and Control Data in-house computer-plotter.

Has been in charge of many computations of horizontal and vertical control for photogrammetric mapping projects in Massachusetts, Connecticut, and Rhode Island.

Manages and directs survey operations in both field and office for Boston office.

a. Name & Title

b. Project Assignment

c. Name of Firm with which associated:

d. Years experience: With This Firm

With Other Firms

e. Education: Degree(s) / Years / Specialization

f. Active Registration: Year First Registered/Discipline

g. Other Experience and Qualifications relevant to the proposed project:

Name & Title:

Robert J. Buckley

b. Project Assignment:

Project Engineer

c. Name of Firm with which associated:

Boston Survey Consultants, Inc.

d. Years experience: With This Firm 5

With Other Firms 2

e. Education Degree(s) / Year / Specialization

B.S./1978/Civil Engineering

f. Active Registration: Year First Registered/Discipline

S.I.T. 1979

g. Other Experience and Qualifications relevant to the proposed project:

Record research, field surveys, computations, and checking of boundary surveys, geodetic control, hydrographic and photogrammetric mapping projects. Determination of high water marks and monitoring of structures.

a. Name & Title:

b. Project Assignment:

c. Name of Firm with which associated:

d. Years experience: With This Firm ---

With Other Firms ---

e. Education: Degree(s) / Years / Specialization

f. Active Registration: Year First Registered/Discipline

g. Other Experience and Qualifications relevant to the proposed project:

Self Resume of Key Persons, Specialists, and Individual Consultants Anticipated for this Project

<p>a. Name & Title:</p> <p>Malcolm N. Johnston, RLS</p>	<p>a. Name & Title:</p> <p>Malcolm N. Johnston, RLS</p>
<p>b. Project Assignment:</p> <p>Field Supervisor</p>	<p>b. Project Assignment:</p> <p>Field Supervisor</p>
<p>c. Name of Firm with which associated:</p> <p>Boston Survey Consultants, Inc.</p>	<p>c. Name of Firm with which associated:</p> <p>Boston Survey Consultants, Inc.</p>
<p>d. Years experience: With This Firm <u>11</u> With Other Firms <u>13</u></p>	<p>d. Years experience: With This Firm <u>11</u> With Other Firms <u>13</u></p>
<p>e. Education: Degree(s) / Year / Specialization</p> <p>Self-educated</p>	<p>e. Education: Degree(s) / Year / Specialization</p> <p>Self-educated</p>
<p>f. Active Registration: Year First Registered/Discipline</p> <p>1974, Land Surveyor</p>	<p>f. Active Registration: Year First Registered/Discipline</p> <p>1974, Land Surveyor</p>
<p>g. Other Experience and Qualifications relevant to the proposed project:</p>	<p>g. Other Experience and Qualifications relevant to the proposed project:</p> <p>Has had many years of experience in the executions as well as in the supervision of large engineering survey projects, boundary surveys, hydrographic surveys, construction surveys, and photogrammetric ground control.</p>

d. Work by Firm or Joint Venture Men here which Best Illustrates Current Qualifications Relevant to this Project (List not more than 10 Projects)

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Owner's Name & Address	d. Completion Date (actual or estimated)	e. Estimated Cost (in thousands)	
				Entire Project	Work for which Firm was/is responsible
1) A.G.T. R/W Eastern MA	20 miles R/W surveys	Algonquin Gas Transmission Company 1284 Soldiers Field Rd. Boston, MA 02135	1968	40	40
Edison R/W Eastern MA	70 miles R/W surveys	Boston Edison Company 800 Boylston St. Boston, MA 02199	1974	1000	1000
2 Freight Yards New Haven, CT (22 Ac)	Property line survey, subdivision & recording	Penn Central Trans. Co. South Station Boston, MA 02210	1975	10	10
MBTA - Penn Central Boston-Franklin, MA (18 miles)	Topographical survey 1"=40'/1' CI & R.O.W for 11 sta.	Mass. Bay Transit Auth. 500 Arborway Boston, MA 02130	1976	50	50
3 Freight Yards South Boston, MA (42 Ac)	Property line survey plans for recording	Penn Central Transp. Co. 1700 Market St. Philadelphia, PA 19103	1976	34	34
Charlestown Navy Yard Boston, MA	Boundary, topography, utility & structural bldg. detail survey.	Boston Redevelopment City Hall Boston, MA 02201	on going	100	100
New England Harbors and Channels	Hydrographic Condition Surveys	Corps of Engineers 424 Trapelo Road Waltham, MA 02154	9/79	150	150
24 Ac RR Freight Yard So. Boston, MA	Title Insurance Survey and License Study	R.M. Bradley & Co., Inc. 250 Boylston St. Boston, MA 02116	4/79	10	10
Piers 1 thru 4 So. Boston, MA	Title Insurance and topographic Survey	Anthony's Pier 4 Northern Ave. Boston, MA 02210	6/79	25	25
16 ac. Penn Central Freight Yard, Boston	Boundary and Easement Survey	U.S. Postal Service Lexington, Mass.	5/79	3	3

10. Use this space to provide any additional information or description of resources supporting your firm's qualifications for the proposed project

The staff of Boston Survey Consultants, Inc. and its affiliates has conducted boundary surveys, topographic surveys, right-of-way surveys of many miles for gas, power, and railroads, and Land Court surveys of literally thousands of parcels of land.

We have conducted tunnel surveys, hydraulic sections, bridge details, monitoring of structures, and many other engineering surveys over the years.

The company has performed hydrographic surveys by lead line as well as by fathometer since its inception. The most recent project was done in connection with the Pilgrim Nuclear Power Plant in Plymouth, Mass.

Members of our staff are registered in all six New England States as Land Surveyors as well as Professional Engineers.

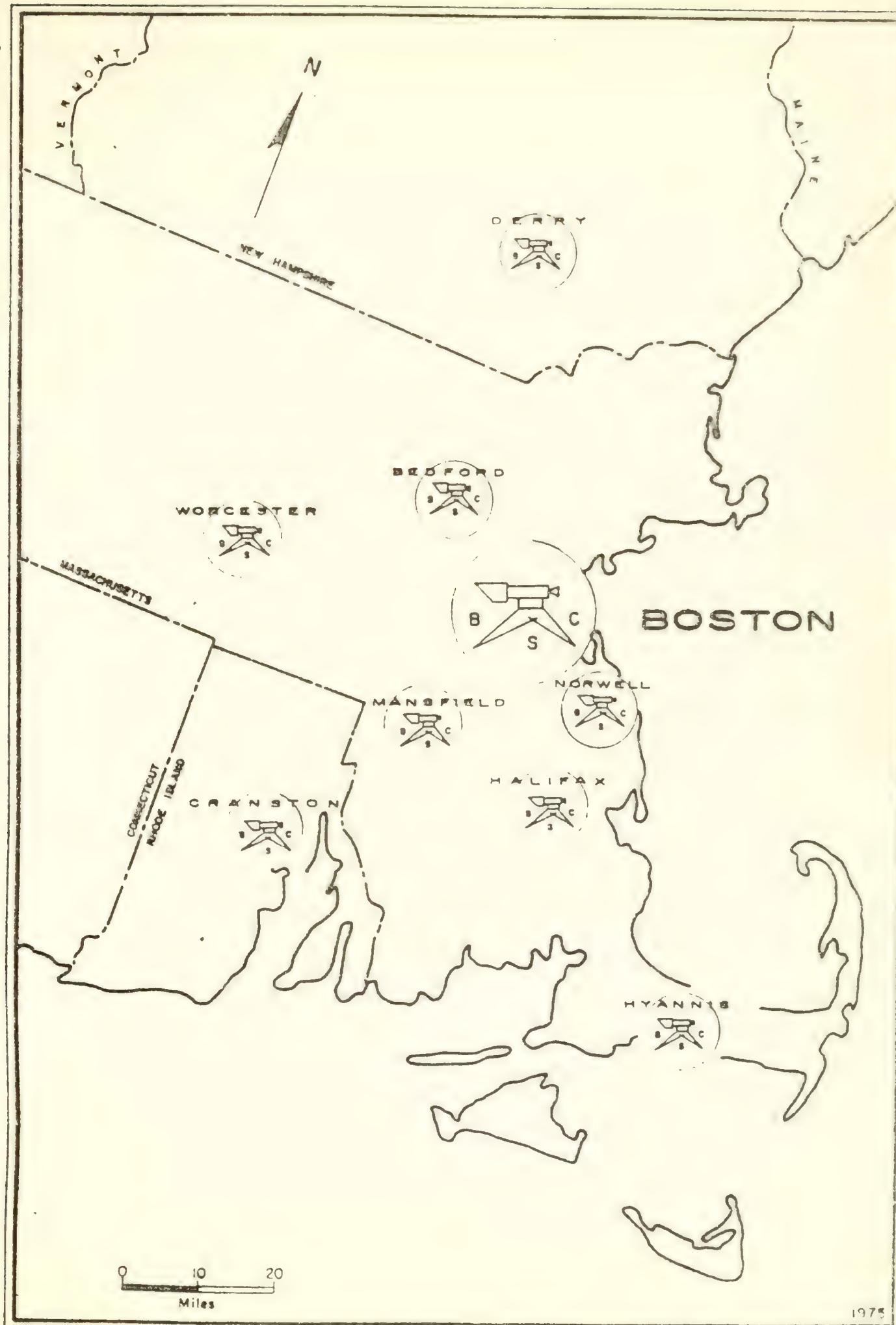
11. The foregoing is a statement of facts.

Signature: *John Greulich*

Typed Name and Title: *GUNTHER GREULICH*
Executive Vice-President

Date:

May 21, 1979



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